

<400> 10047

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tctccttatg ctaagaagtt agctaaggag ttgaagggtg aattggctgg tttagttgga 120  
agtggaccga tgggaaggat tgtggctaaa gatgttgagg cggttgctgc tggaggagga 180  
gttcaagctg ctgttgctgt taaggaggta gtggcagctc ctggtgtgga agttgggatc 240  
ggtggttctt tttacgacaa tgcagggggc tgtgagtang aatatggtgg agagtcttgg 300  
tgttctact tttagagtcg gttacacgat taatacggat gctccttgat cccctctaca 360  
agaagattaa ntcnaaaggt gtgacaatga cggcactttt aaca 404

<210> 10048

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-072-Q1-E1-C10

<400> 10048

gattcagtta cagttacaag tttagggttt taaagccata tcttgcaat ggctataatc 60  
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cgcttctgca actgtgttcc ttctgatacc caaaactttc catttgggat agtggcagaa 180  
ttantggaag aagtaagcat gagcagggtc gagcatgtat tgaactatct gaaacgtagg 240  
cagctcgaga atcctggttt cttatatgca attgaggacg attgtgggaa tgttttctgg 300  
gcggatccaa cttgcagggt gaattacacc tactttggtg atacctang ctttgacacc 360  
acctatagga gggggtaaga ggtancaagg tgccatttgc t 401

<210> 10049

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-072-Q1-E1-C12

<400> 10049

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aaaaaaattg gaacgaaact agcataatga ctaataaaac gtttgagtca ttgtcattat 120

ctgataacac ttataaatct atcaaggaga tgggttttgc acgcatgact cagatacaag 180  
 ctaaagcaat tccaccattg atgatgggag aagatgtact tggagctgcc aggaccggtt 240  
 ctggtaaaac cttagctttt cttattcctg ctgttgagct tctttaccgt gttaagttaa 300  
 ctctcgcaa tggaaactggt gttcttggtt tttgcccaac aagagagctt gctattcagt 360  
 cttatggagt ggcaaaagaa cttcttaagt atcattcaca gactgtggga aaagttattg 420  
 gcggtgagaa aacgaaagac agaagctgag attcttgca aaggtgttaa tttattaag 479

<210> 10050  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-072-Q1-E1-C3  
 <400> 10050

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 ctcttcttcc aagtctaaat tcgtatccgc cggagttcca ctcccaaacg ncgggaatgt 180  
 tggtcgtatc agantggntg ctcaactgat gcctggcgaa gccacgacca ggcttacctt 240  
 gacggttctg ctcttggtga ctttgggttt gnnncanntg gacntggaca agttccangc 300  
 caggccttga gatatacaaa agagtcaaga nctcanccan tggtagatgg gctantgcnc 360  
 actngttcct gggatttttg gaccannna ncattanggt atggaaaact ggggttaagg 420  
 gcncaggaa tggggnaaac cact 444

<210> 10051  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-072-Q1-E1-C4  
 <400> 10051

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ctcaggattg cttgaaaact gtagaaatct ttaaggtttt ttacaccaa tannnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnntct attcataaaa aagacaggta atctcaactc 240  
 cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nnnnnnnnt ggttgctttt tatcagcttg gccttgggaa aactttggca atctcaagta 360  
 tcttctctac gctccattag ctgcacaagt aggtgtactc gtgggtctat gaaagaagat 420  
 atctcaaaag gttctttggt ggtantcat 449

<210> 10052  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-072-Q1-E1-C5  
 <400> 10052

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 ttacaccaa acctcatcgt agagagagaa acacaccaac cattgttaca ctctaagaga 120  
 agagaagaga gaaggaaaaa tggacggtgt atcaccaaag tttgtgttgc cggagacatt 180  
 cgacggcgtg aggatggaga tcacaggcca actaggcatg atctgggagc ttgtaaaagc 240  
 accagtgatt gtccctcttc ttcaattagc tgtttacatc tgtttgctta tgtctgtcat 300  
 gcttttatgt gagagggttt acatgggaat cgtcatcgtc ctcgtaaagc tcttctggga 360  
 aaaaaccang acaaacgtta caagttcgag cccattcacg atgattgaag agcntgggaa 420  
 c 421

<210> 10053  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-072-Q1-E1-C6  
 <400> 10053

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gggatcatct tttccggtct ctggatcatgg atataggatg ctatcgacgg ttgaaaatgt 180  
atctgaaagt ggtaaatacga tgaatctata ctctgctatt aatcaagctc ttcacatcgc 240  
tttagagacc gatcctcggg cttatgtttt tggggaagat gttggatttg gtgggtgtctt 300  
ccgatgtaca acaggattaa gctgaacggt ttgggaaaat ctcgagtttt caacactcct 360  
ctctgcgagc aaggcattgt tgggcttttg caattgggtt aactgcaa at gggaaaatnc 420  
g 421

<210> 10054  
<211> 437  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-072-Q1-E1-C8  
<400> 10054

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnttcaga tatgcctttg cctcaacaga acagagcctt tagtttgctg cgtgagattt 300  
tgaatgctac tccaggggaag gctgataaca aaagactcgc tcatgcccta aaaaaggact 360  
tccgattcag cctacggccc ggcatgggca ctgcattggt ggnacaagct ttggttcata 420  
cgtgactcan tccacag 437

<210> 10055  
<211> 434  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-072-Q1-E1-D2  
<400> 10055

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atgcctccgt taaaattcaa tcttcgtcca tctcctcacc gtgggtgttc gtgtccgcat 120



cgtcgttgac tccccgagct tcctccaata ttaagaggaa atcgtcgagg tctgattcac 180  
catctcctat attaaaccca gagaagaatt acccaggtan agttcnagat gaaagttcca 240  
atcctcctca anaaatgggt ttcaaggctt ttgggtcacc caananggag aaaaaagagt 300  
ctctttctga ttttagtcga gaccaacaga ctgatcctgc caagattcac gangcatcct 360  
ttctcaacgc tggtgtcann gtttaattgc nctcatactg ctncctgaat aacnccctcc 420  
caatggggaa gaag 434

<210> 10056  
<211> 431  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-072-Q1-E1-D3

<400> 10056  
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atgggagacg ttgaaggaaa caatcacagc ttacactgga ctttctccag ctgcgttttt 120  
caccgtactt gctctcgctt tcgccgttta ccaagtcgtc tccggtttct tcgtttctcc 180  
tgaagttcac cgacctcggt ctttggagggt tcagcctcaa tcggagcctc ttccaccgcc 240  
ggttcagctc ggagaaatca ctgaggagga gcttaagctt tatgatgggt ccgattctaa 300  
aaagccccctt cttatggcga tnaanggcca aatntangan gtttctcana gcanggatgt 360  
tttaaggnac caaggtgggc catatgntcc gtttggcang ggaaagatgc caagcccag 420  
ctcttgggna a 431

<210> 10057  
<211> 480  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-072-Q1-E1-D6

<400> 10057  
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gcgtccgggt agctcgaggt gataagagtg gagaagatgg catcccgatg ctactgaaga 120

ttccgcggat gttcgatccg tggggaggct acagcattat tggatttggg gatattcttt 180  
 tgcccgggtt gctaatacga tttgctctca gatatgactg gctagctaac aagactctta 240  
 gaaccgggcta ttttatatgg gcaatgggtg cctatggatt aggtctttta attacttacg 300  
 tggctttgaa cctaattggat ggacacggcc aaccagcatt gctatacatt gtccctttca 360  
 cacttggaac catgttaacg ctggctcgaa aaagagacga tctttggatt ctaaggacca 420  
 aaggagaacc agaaagagct tgtcctcaac caagttcggg cttgaacaat gttctgagaa 480

<210> 10058  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-072-Q1-E1-D9  
 <400> 10058

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 tcctgatgaa gaccgccgtt tcccaggaca ataatccgct ggaacattgc agagacgtgt 120  
 tcgtgagttt catgccctgc atgggcttcg tcgagggaat atttcaacaa cttctccag 180  
 attgctgcag aggcgtagcc cacttgaaca acgtcgtcaa gtttacgtct ccaggatcga 240  
 ggaataggca ggatagtgga gaaacagaga gagtgtgtct gtgcattgag ataatgggaa 300  
 atgcaaatac tcttcctttt cttcccgcg ctattaataa cttcctctc cgttggtctc 360  
 ttactctcag ctttcccatc tccgttgata tggactgttc tcanttcang aaacaccaag 420  
 aatcc 425

<210> 10059  
 <211> 483  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-072-Q1-E1-E4  
 <400> 10059

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 aagggacaat tcaacacggt cacagccgat ggaaacgaaa aggggtctagc gatgaaaatc 120

ggtatcgtcc tccaaaactg tcgcatcggt cccgacaaga aactagcggc agagagatta 180  
 atcgtggagt cataacttggg aaggccatgg aagaaattct ctaccaccgt gattatcaac 240  
 tccgagatag gagatgtgat tagaccagaa ggttgaaga tttgggatgg ggaaagtttc 300  
 cacaagtcac gtaggtacgt tgagtacaac aaccgtggac caggagctat cactaaccga 360  
 agagttaact gggtaagat cgccaggtct gcagctgagg tcaatgactt cactgttgct 420  
 aactgggtta ggtcctanta actggattca agaagccaat gttcccgta cgcntggatt 480  
 aaa 483

<210> 10060  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-072-Q1-E1-E5  
 <400> 10060

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 atcggacggt tcttattggg ttatcggttt tgacgggtgt gatgcttttg ttgactcacg 120  
 ctacttcgaa tattctggga tctttgttaa ccgccgccgt gttggttctg attcatgcgg 180  
 cggttagaag aagtgataat ttgtttcttg atgaagaagc tgcggcgggt actgaagctt 240  
 cagggtgat gtcataccct tcgtcgtaaa tccaaaaatt tgtttttttt ttttttgtat 300  
 gttactgagt ttggtgcnan ttgagaaaac tgacatgttc ttcttaanaa anccnnaggc 360  
 atganaagng ggtngaaat cggtgnaaaa aaanggnccg gccgctcna aagggattcc 420  
 a 421

<210> 10061  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-072-Q1-E1-B8  
 <400> 10061

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gatggcacta ttctacgttt tgatccttta cgttcccacc gtgatactcc gtctcccgtc 120  
 ggcttcttct tacaccgaat tcatgattcg gcgattcacc tgcgcggcca tttgtactgt 180  
 ancatctctc gtcttcacag cttttatact tccgataaaa agctgggagg cctcttatat 240  
 acttgagatt tatggcataa ggaaagatca tctgtggcaa ggagtgggtg atcctcttct 300  
 attgacctcg ctcgtttatg ctgggggtct tgggtgtgaa gttgtttact ctctggaat 360  
 catgggaagg aaaatggcng aaggatgtan ntcctttaat taaatcanga aacctttttc 420  
 caaa 424

<210> 10062  
 <211> 447  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-072-Q1-E1-E8  
 <400> 10062

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 ctagtcatca ttctcattct cctcatgact cttctcatct ccgtttccat ttgcttctc 180  
 ctccgtgtc tcaatcgtg tagccaccgc tccgttctcc ctctttcacc ttctcttcc 240  
 gtcgcaaccg taacttccga tccccgacga ttctctggac atcgaagtct ctcccgaac 300  
 agaacgggtc tccggtgctt gattnggctt ccgattttca aattctctc cgtnacttcg 360  
 ccgatctagc tccaatgaat tccccgaaaa ttgcgcgctt ttgtttggtc gaaaatttgn 420  
 aaccgggagg attaagctcc gtcttct 447

<210> 10063  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-070-Q1-E1-F12  
 <400> 10063

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tgaattttct tctgcaaagc aaaatcgcag aagtcgtcgt gtgtccgcgt tgcacgaac 120  
 cacttggtcg attctctttc gtcacccctct cttatatcat cagcaacaac aacccttggt 180  
 tcaaattttct tcatttccgc cggatttata atcgcagatt gattctgac gatagagata 240  
 gggttattca aggagagacc tcgattgact tcaattgtct tcctgattcg atagataaga 300  
 tttagggtta gcttgacgtt gacgttgata taggggaatg gagacggaca atgggaaggg 360  
 gttgatacta gctgtagcgt caaagtgttt tcaatgggtc caacttcaat ct 412

<210> 10064  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-070-Q1-E1-F5

<400> 10064  
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 tcgtanagat ctctgattct aaccagacgc gggcgatgtc gaaagctcgt gtgtacaccg 180  
 aagtcaatgt gattcgaccc anggattatt gggattacga gtcactcatt gttcaatggg 240  
 gggagcaaga tgattatnag gtagtaagga aggttaaggcg tggaaaatat agtgaagttt 300  
 tcgaggggtat naatgtgaan agcaaggana agtgcattat caaaatcctc aaacctgtta 360  
 agaaanaaga agataanaag aagnattaan ntacttcana aacctatgcg ggtggg 416

<210> 10065  
 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-070-Q1-E1-F9

<400> 10065  
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 gtgattgtaa cttcgtcgcg tgacaaatca atcatcctct ggaaactcac aaaggaagac 180



aatgctcctc aagatgctcg caggtctttc tggntttttc tegtctctgga ttttaciaaat 420  
g 421

<210> 10068  
<211> 417  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-070-Q1-E1-G4  
<400> 10068

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gttttcaaaa acaaaatctt tgaattttat ggcaaccgt cttctccgaa caaactttat 120  
ccggcgatct taccgtttac ccgcttttag cccggtgggt cctcccaccg tgactgcttc 180  
caccgccgtc gtcccggaga ttctctcctt tggacaacaa gcaccggaac cacctcttca 240  
ccacccaaaa cccaccgagc aatctcacga tgggtctgat ctctccgatc aagcccgctc 300  
tttctcctct atcccaacct ctgatctcct ccgttccacc gccgtgttgc atgcggcggc 360  
gataggctct atgggtcgacc taaggagcgt gggatcatgag ctctaaactt atggacg 417

<210> 10069  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-070-Q1-E1-G8  
<400> 10069

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atctactgcc ttacattcgt cacttcacat ctctgtctca agtttgcttt gattcccatc 180  
ttgtgccggg cacttgaaca agtagccaag ttcttgaggc gtaactttgg tcggtccact 240  
atatacagaa agtacttgga agacccttgt gtgtgggtgg agtcaaacac tactaccctc 300  
aacatcttgt catcgcatgc tgagatagcc attgggcttc cttctgatta tctctctgct 360  
ctcaaggcaa cgttacaatt atacagacgt caatgtactg ggagctattg aa 412





<223> unsure at all n locations  
<223> Clone ID: LIB24-070-Q1-E1-H3

<400> 10072

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nctcgtccag atgttactcc tcgggattat cgtttccgat tggatttgga tcgaatccca 120  
tcaatgtggg attggtttgt tacccaaaaa gatacagtat tgctgctcgg aagttcgtat 180  
gtggcttgct cctcctctc ttccgatcca cttttggta aggctgcaaa agggcaagcc 240  
atanntcgtc ctccagcttg gatgatgagg caagcangaa ggtatatggc tgtttaccaa 300  
aagctcngcc aagaaacatc cgtccttcag agagagatca gagaacactg atctaatagt 360  
ggaantctct ttgcagcctt ggcangcatt cagnccanac ggtgtcatca tttttntc 418

<210> 10073  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-070-Q1-E1-H4

<400> 10073

cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
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gaggaagaga agaatcagaa aaaatggatc cggcgactaa ttcaccgatt atgccgattg 180  
atttaccgat tatgcacgac agtgatcggt acgacttcgt taaagatatt ggctctggta 240  
atttcggcgt tgctcgtctc atgaccgata gagtcaccaa ggagcttggt gctgttaaata 300  
acatcgagag aggagaaaag attgatgaaa atgttcaaga gggagattat caatcataga 360  
tcattgagac atcctaatat tggtangttt aaagangtga ttttgacgcc ttcccaattt 420

<210> 10074  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-070-Q1-E1-H7

<400> 10074

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cgccgagacc accgtctggg cgagtaaggt cgctgcgtga ttattcttcg gaatcagaaa 180

agatggatgg taccggtagt tgggacacgc ttgaatggac caaactcgat tcaacttcag 240

ggtcagggttc tttctcgaat ttgagttgct tgctggaatc ggagaggggc atcgctcagg 300

gttatggaag ttgtgcttat taacaccgat gaggcaggaa cccttttggg gactaatttc 360

cgtattcctt ttttgagtga aggaaccang aaaaagtcac tccaacnttg gtaca 415

<210> 10075

<211> 446

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-071-Q1-E1-A1

<400> 10075

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnntg gattggataa gagagattat cgaacaagct cnaactgtta 360

caagaaataa ttacaatcac agtgggtgtt tgaatcctga tgaaggaaat tcccnttttg 420

caatgataat tgtgcaacca atcctg 446

<210> 10076

<211> 449

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-071-Q1-E1-A8

<400> 10076

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 accaacadna agagctccan gcgcagacna ttcgattaat ctacaagtcg atcaaagttt 180  
 ccgatcatta ccacnaactt tctctccgat tccgttataa ttactcgaac aanaagccgn 240  
 naagaccacc accgttgatg agccaaagaa agatggagga ngaggaggag atcaaaagga 300  
 agacgagcat ttcagaatct taggtcacca tatgtgtctc aaaaggcaaa ggagattgtc 360  
 cacttttggt aacgcaaata aaagcatccg aagagaantt ccatcgtgta ttcagatctg 420  
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 <212> DNA  
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 tccgattgat tcatttantic cnaaacana gctagagaat gcggctgctg gttcttacac 180  
 ggtgatcatt aagacaagct gttcctctgt gtcttacact anagataaga tcagtatanac 240  
 gtttggtgat gtctacggca acgaggtgta tgtgaagaga ctanacgatc catcgtcgag 300  
 gacgttcgaa aagtgttcat cagacacata caagatatn ggaccgtgta tgcgcgacgt 360  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-070-Q1-E1-E9  
 <400> 10078

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aactttctat cgccatcgaa gaaatggaga aagcaaatta cttctctttt gtgatgctca 180  
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tgcttcgcca ctcaatccct tcttctcttc ttttcgagca ccttaatctc atccccaatg 360  
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<223> Clone ID: LIB24-070-Q1-E1-B5  
<400> 10079

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acggagttgg aaacagagaa caaagactca acctttggtt cgatcccacc actgagtttc 240  
acacttactc aatcctctgg agtaaagca gtgttgatt catggtagac gaaacaccga 300  
ttcgagttca gaagaatctt gaagagaaag gtatccatt tgctaaagat caagcaatgg 360  
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<210> 10080  
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<223> Clone ID: LIB24-070-Q1-E1-B8  
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agtgttgagg tggctgttgg gtttgtgacg gaatgtggtg caatgcttca agacgtttca 180  
ccaagaggat tgaatgggat ttttgagagg tttcgtggta tactgcacga gggagagata 240

CCDS:10079.1

gataagagag ttcagtatTT gattgaaagt ctctttgcta ctaggaaggc gaaatttcag 300  
 ggacatccgg ccgttcgtcc tgagctagat cttgttgaag aaaaatattc gcatgatctc 360  
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 <211> 389  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB24-070-Q1-E1-B9  
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 attttcttct accgatcttg tctgggtcaaa ggttgaaggt taccgggaca atatagatag 180  
 gttagccctc atcccatata ctagggtgga tgattttgta agaggtgaat gctcgaataa 240  
 agattgtcct acaagtttcc atgttgaagc tagacgacgg aaagccaaag gaaaaaaata 300  
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 atgcttgtgg aaatggagct gactgtancc caactcacc aaaggtctct tgcttcaatc 180  
 ctgacaatgt tagggctcat tgcaactatg caagtcaata gcttcttcca aaagaaaggt 240  
 caagcttctg agtcttgtaa cttcactgggt actgccactc ttaccaccac cgatcccagc 300  
 tatacaggat gtgcattccc ttctaaatgc tagtggttct aagtggaagc ggtanacca 360

ccgtgacncc aggcaaaaac agtccaaaag gaagcaacag natcancaac aattttcccg 420  
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<210> 10083  
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 aatcagataa gggcaagaaa aggttttagaa agaaaagtgg gcagtcagat gaaagtgatg 180  
 gcgagggtggc cgttagagag gatagtagac acgttagaag aaaggtttct gaagaggatg 240  
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 agcatttaaa agatcgtgat actgcacgga cacgaaagct aacagagcaa acgttgtcaa 360  
 agaaagagaa agaagaagct gttcgaagag caaatgcttt ggagaaagat gaatttatat 420

<210> 10084  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 tatatgtttt tgcttctgat tgctgttatt ctgtaatcgt ttagagtcgt ttatggtttc 180  
 ccccatTTTT tctgtaatgt ccatgctctg tttctttaca gtttcctctc cggttggtta 240  
 gatatcangt ttagttcctg atttactgag aaaccaanct tttgagctta agtatgtag 300  
 gggtctgacg ttgattgaga aatattataa actgggnttt caagtttant tctttctgga 360  
 atttcttttg tagtccggat tatnaggtag actgctagaa tataccgggn tagggta 417

<210> 10085  
 <211> 414  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-070-Q1-E1-C7  
  
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 catttgggtt tttcattttg aaaagaagga ccatttttta tctctctctt tgttttgttt 180  
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 gagcagatga tgaatacgat tacctattca angttgttct gataggtgat tcaggtgtgg 300  
 gcaaatacaa tttgctttca cgattcacga agaacgagtt tagtctcgag tcaaaatcca 360  
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<210> 10086  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 cgtatctgag cttaacaaca acaaatcaga cgaaccagga tctgcaaaat cgcttgatc 240  
 tgcagcagca aaggattctt ccaattcttc agatcggcct tctttacgtc aacgtggatc 300  
 gtcaacaacg tcatcgtctt cttcgatgtc ctacactgaa gaacagatct caatcgtgag 360  
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<210> 10087  
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<212> DNA  
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 aagaagagcc aagtgttgct tgagggatac gcgttgatg atcaagatga tttgacgaga 300  
 gccaaagagtt tgacggatga tgatcttgag gagcttaaag gttgtttaaa tctagggttt 360  
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<210> 10088  
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 <213> Arabidopsis thaliana  
  
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 cccaggtgaa ctatgtggga aaagcgggaa atatatacag cagtggctac aaacttgatg 180  
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<210> 10089  
 <211> 414  
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gtgagcttat ggtacattgt ctctggcata tttgaggcaa tagaaagcta tgccataacg 300  
ttaggattga ataaanagta cggttccatc gatcttgaga aactccggtg tctagctgtt 360  
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<210> 10090

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-070-Q1-E1-D4

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ctcggggaag ccttggcgag ttacttcacg gcgggaaatc acatagcatg gattggccaa 180  
ctcggtttgc tategcactc ggtgcagcgg aaggtctcgc ttacttacat catgattgta 240  
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aagcccatgt tggagatttc gggtttagcaa aagtcacga catgccacta tcaaaatccg 360  
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<210> 10091

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-070-Q1-E1-D9

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ccaccggaat gtccaccact ttcagtcacg gttgctcttt ctctctcagc ttctccggtg 180  
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gatttctatg gcaacaatgc ttttgattct tctcagattg atgagtgggt agattacgca 360  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-070-Q1-E1-E1  
<400> 10092

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<212> DNA  
<213> Arabidopsis thaliana  
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<223> Clone ID: LIB24-070-Q1-E1-E12  
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aaactccagt tcattctctca nccctcatat cgccgtgttt tctcgtctta gtaccgag 180  
ctcggacgaa ccaggaagca atccgttaat ctagaagcgg tgttgagaag atgacgatta 240



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<212> DNA  
<213> Arabidopsis thaliana  
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aagttcttcg cagaaaccat gttggtgact ggggaacaca gtttgggatg ctaattgagt 180  
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<210> 10097  
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aagattgtgg tataagcctg acacaaagtt cttcaaacca aaggcatagc ttaagatgga 300  
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6041130-4666666

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<213> Arabidopsis thaliana  
  
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<212> DNA  
<213> Arabidopsis thaliana  
  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
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<210> 10103  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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 aaaacatgga gctcgccgc gactctgaca ccggtggaca ggttaaatat gttgtggaac 240  
 ttgcacgtgc actgggttca atgccaggag tttatagggt tgacttgctt actagacaag 300  
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 nattctgang atttctcgga tgagatgggg gagaagtagc ggtgcttata ttggtgagga 420  
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<210> 10104  
 <211> 400  
 <212> DNA  
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tatcatttcc actactattg gaggcaaaaa cggcgaacca aagcagacca ttagttacat  240
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aactggagaa tcagtagcca ttaaaaaggt cttgcaagat cgacgctata aaaaccgtga  360
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 <211> 416  
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 <213> Arabidopsis thaliana  
  
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<213> Arabidopsis thaliana  
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 aaatgtctag ccgccatgac aaagagaaag gcgtcaatgt tcaagtcctc ctccgatgca 180  
 ggccatttag cgatgatgaa ttgagaagca atgcgcctca ggttctcact tgtaatgatt 240  
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 cttttgataa ggtgttttga ccatcagcac aacagaagga tttgtatgat caagccgttg 360  
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 cactttactc gtgccaattt ccctaaaggt ttcatttttg gtaccgcaac tgctgctttt 180  
 caggttgaag gagctgtaaa tgaaggatgt agagggtcaa gcatgtggga cgtatacacc 240  
 aagaaattcc cacataaatg taattatcac aatgccgacg ttgctgtcga tttctaccat 300  
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 <211> 418  
 <212> DNA  
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 tcaatcgtat cacttacgtc aaattcgagt atgtgaagga agacggccaa gtcgtaacaa 180  
 ctgaatatgg gaaaatcatt caacaacca aagagtttgt acttcaatat ccggacgaac 240  
 atatcatagc ggtggaagga aactatcgcg gagtggctct atgtgccaca gaggtgatca 300  
 caaacctcgt cttcaagacc tcaaagggtg gaaagtcacc actgttttgt ccaaacttgc 360  
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 <212> DNA  
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 <223> unsure at all n locations  
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 ccgtcacaca ccaaccagag gaatggatcc taaattccta agaaaccaga ggtatgcaag 180  
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 tgattgacag ttttaagtttt ttttatgaat ttcacttggt tagacaaagg aaccaatggt 300  
 ctacaatcag ggattatgtc tatccagatt ctcttanata ttttgcatgt tacttgattt 360  
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gctgtgacag aaactgtact agcaaacaaa cgttgggttc caccaccagg taaaggttcc 180  
ttatatgtta gaccattgct aatgggaaca ggagctgttc ttggtcttgc gcctgcacca 240  
gaatatactt tcattatcta tgtttcgctt gttgggaact acttcaagga aggtgtggca 300  
cctatcaatt tgattgtgga gaatgaattt caccgtgcaa ctcttggtgg taccggaggt 360  
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<212> DNA  
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ttactgcctc ctctctcatc tacgtcctgg ggatgattct cttgacaatg gcggtaacag 180  
taaaatccct aagaccgaca tgcgaaaacg gggatgcaa caaggcctcc tcgttacaag 240  
taacattttt ctacatatcc ctctatacca tagctattgg agccggtgga acaaaaccta 300  
acatttccac atttgagcgc gaccaattcg acagttatag cattgaagaa aaaaagcaaa 360  
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gtnggtgatg ggcgannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
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<210> 10115  
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<223> unsure at all n locations  
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atccgtgggt tttctttgga gtatcttatt ctggagcttt aagtgtttgg ttccggctta 180  
agttccctca tttgacctgt ggaagcctcg ctagttcagc agttgttcgt gctgtctacg 240  
aattccccga atttgatcaa cagatagctg agtcggctgg accggaatgt gaaactgcgc 300  
tacaagagac taataaactc ttggaactag ggcttaaagt gaataacagg gctgttaaag 360  
ctctcttcaa tgccacggag gtctagcttt actgtttctg ttttcttttg tttgaatctt 420  
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tg 482

<210> 10116  
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atgcatagca tgtnacacaa gaatccattc nttcactcgc caccagcgcg tgtgggtttg 240  
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cgtcagttgt gatgccgana ttcactctgc taatcctctc gctagccgtc acgaacgtgt 360  
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 tgggtttcct gatagggggc tcttgcttcg tccnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
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 nnnngagtaa tgtcgccaag ttcaagcgcc gacgaccaac attggcttct ttaaaccaag 360  
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<210> 10118  
 <211> 408  
 <212> DNA  
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 actaaaccat tacttgaaga agaattttcc aaaaaaatg caacgagttt acgccttacg 180  
 ctaacaaggg tatgataacg ttggtgaccg atctcgaagg tagcagtcg gccactacag 240  
 agttcaagac tttctttaca cagttcaagt cttacatgtc tttcatcgag acaacatcgg 300  
 cctcaacaaa aaatgttgat gccgagatga cagctaaatg tgacgggtctt ttcaaggcca 360  
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<210> 10119  
 <211> 463  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
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 acatgtagct caaggatctc atcaatggca atcaccaatc aaaaccgtcg tcgttttagt 240  
 gttggagaat cgatctttcg atcatctctt aggatggatg aagaactcag taaaccgcac 300  
 aataaacggt gtaacgggtc attcgthtga agctgttgag caacaagtat tcgggtctgg 360  
 gccgggtcan atcccgthca tgatgggttt cgthgagcaa gcgctthcca tgccgggaaa 420  
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 <212> DNA  
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 aaaccgggtt tgtggaggac gatcttgatg acgatggnga tttagatttt ctcgagaaat 240  
 ctgatgagag tgttgtaaan tttcagtttt tacctctttt ggatangttc ttatgggatg 300  
 acgatgacat tctgagtttg atttcaaagg aaaaggacac ganatccatg ttttggggaa 360  
 caaatnttag atggctthttt tgggttctcg tnggaaaaga gnggcttaan agttgggggt 420  
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<210> 10121  
 <211> 411  
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 <213> Arabidopsis thaliana  
  
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 acaaggccca acttggttgtt attgctcatg atgtcgaccc aattgagttg gttgtctggt 240  
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 ttggaacggt tggtcaccag aagactgctt cttgcttggtg ttgaccact gtcaaagaac 360  
 gatgacaagc tagaagttca acanaatcct gggaagctat caanggcaac t 411

<210> 10122  
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 <212> DNA  
 <213> Arabidopsis thaliana  
  
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 <223> Clone ID: LIB24-066-Q1-E1-H4  
  
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 ccaaaatcgg tccgctaggt ctgcaccaa agaagatcgg agaagatata gcgaaagaaa 180  
 ccgcaaagga atggnaagga ttacgtgtaa ccgtcaagct cacagtgcag aatcgtcagg 240  
 cgaaagtgac ggtgggttcca tcagcagcag cactcgatcat caaggcggtg aaagagccgg 300  
 agagagatag gaagaangtg aagaacatta agcataacgg gaacatctcg tttgatgatg 360  
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<210> 10123  
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<212> DNA  
 <213> Arabidopsis thaliana  
  
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 gtctcttcac agtttcaatg aagatctcag gagaagcaac gctgtctcat tctctctgag 180  
 gaaggactct cgttcttctg ggaagggttt tgctcggaag ccatcgatg attctgattc 240  
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 <213> Arabidopsis thaliana  
  
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 catagttaat gtggagaagg atgaactgct cgacgaagcg gcggaggaag aatttagagg 180  
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<210> 10125  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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ctccaacttc tacttctctg tcgctctctt ctctacaggg tcttactttc gccattaaag 180  
acafttttga tgtggaagga cacgttaccg gttttggtaa nccggattgg ttaaagacac 240  
actcggcagc tacttctaca gctccagtag tttcatctct cttagaagct ggtgccacag 300  
ctttgggtat taccattatg gntgaaatgg cttacantat aaacgggnaa aatgcgcatt 360  
atgggactcc gtngaaaccc gattgntttc gatagantgc cngngggatc anccgagtgg 420  
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<210> 10126

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-066-Q1-E1-B11

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gttccttttc gatgtcctca agcaagaaaa gattttgctt tcgtcgagcc gagtaagaag 180  
ctaaacccta atcgtgtatt gataaagcct ccggtttaca cgtattctcc ggcactgacg 240  
gcggcgaaat gtaacatttt tgattacgcg gaaactgggt agaatttggg cggcgataag 300  
caatttgtgc ggtgggttcg tgaagcttgg ccttatttgt gggctcatcg tagctgtacc 360  
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<210> 10127

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 10127

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cctctcctct ctctcccaga ttctgtgtttg aggataatct cttcggcgat atctccctct 180  
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<210> 10128

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-B7

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ggacaaagca gtacgataac tgggtacatat gctggacagt ttataatggg cggttttctg 300  
aatctccggc ttaagaaatg gatgagggca gtaataacaa naagctgtgc tattgtgctt 360  
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<210> 10129

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-066-Q1-E1-C10

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tcaaaactgg tgaaattgtg gctctcaaaa agatacgtat ggacaatgaa agagaagggt 120  
 ttctataac agctattaga gagataaaga ttctgaagaa gcttcatcat gaaaatgtca 180  
 ttcagctgaa agagattgtg acttcaccag gtcgggacag ggatgaccaa ggaaagccag 240  
 ataataacaa atacaagggt ggcatctaca tggtttttga gtacatggat catgatttga 300  
 ctggactagc agatcgtcct ggactgagat ttactgttcc tcaaattaag tgttacatga 360  
 agcaattgct taccgggctt cactattgtc atgtgaatca agtgcttca 409

<210> 10130  
 <211> 398  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 gaccagacga agaagataac cgttccgaat tcctcttgaa acagtatgat tacttcggcg 180  
 ttggtttatc tgggaacgtt cattcagcaa gacattgttg ctatgtccca gcttacgtgt 240  
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 aanatcttca aggggatcac actacctgat gncctat 398

<210> 10131  
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 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-066-Q1-E1-C4

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tgaagttcaa ggtcaggtgc tcaaggtacc tctacacact atgtgtcttc gaccaatgag 240  
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ttccctttct gctgtctttt gaactgacta tgattcagac ttccgttgaa tttctttctt 420  
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<210> 10132  
<211> 448  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 10132

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aaagaacggg ccgtcacctt ttcttgaagg atgaagaaga gggaaaacca ccattgcttc 120  
gacgcattgg ggaagatacc gatgattgtc atttcatatc tgcactgca gccttcaaaa 180  
ggcgggtggc ttattcaaat gtgggccatg atcacgttgt tggctggaag acggcatcca 240  
ttagacgtga cagtgaattg cctaagtggg aagattctct gaatgagaag taccctcata 300  
ttgtttacga agaactctgc aaggcatgtg atatggagga cataccagaa ggcgagaatc 360  
attcagacga catagaagaa gaaatgatca aaggcctctc ctctgtctca tgggaaaaag 420  
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<210> 10133  
<211> 485  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-066-Q1-E1-D1  
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tcttgaggct gaaacgaaaa tccgctcttg tagaaagaga acaagagccg tccaagaaac 120  
cacggctggg gaaaagttcg aaaagggaat atgtatttgc tgtgctatgt tcgacactga 180

gccatgcagt gcttacgggt aagaaaagtc caggccccgc tggatcagca gcccggtcaa 240  
tagtagcgaa aggagctgag gattcaaaaa gtagtgaaga gaataatagc agcaagttca 300  
gatgatgaga atcataagga tgatggagta tcgagttctg aacatgaaac atcagacaat 360  
ggnaagctaa atggggaaga atctctggta gtagctccaa aatcatcacc tgaaatggct 420  
gtaaatggat tctgagatct taacactctg ggctccttaa tttgtggctg ggnatggaa 480  
aaggc 485

<210> 10134  
<211> 408  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-066-Q1-E1-D10

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ttcaagttgt gctagagaaa tcgaatgccg aactactctc tgccagatca gccaatgttc 120  
at ttggaaca tgaaatagct aatgtgaagg ttcagaagga gaaagagctt ttagaagcaa 180  
tgctgatgat ctccatcatg caaaatgaaa aatctgaatt atctaaggca gtggaggggt 240  
tagaatgtag atacaaggaa gctaaagcga tagaagagga tagggataag caggtcttga 300  
gactccgtgg agattacgat gagcagggtta agaagaatag tcattcgaac gaagctaatac 360  
tgaaattgga agctgacttg atgaactact caagggactc naagaaat 408

<210> 10135  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-066-Q1-E1-D12

<400> 10135  
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aggaagtgat gttttctctt atgtctggac tatggagtta catgttttagc aagactgagt 120  
ttaatgtgct tattcttggt atcgacaaag ctgggaagac gacatttttg gagaaactga 180  
agacgatata ctcaatctcg gaaggtcttc ctcatgatcg aattgttcct actgtggggc 240



tccccctcct ccgctttctg aacaatctcc ggctaaattt gtcctccac gtttttcgcc 360  
gtcgctgct ccttctcatg cctcctccgt ctggaactgg gaaaaatt 408

<210> 10138  
<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-066-Q1-E1-E11  
  
<400> 10138

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atcgaagccc ttgtttctgg ttttagtctc ttgtctgaaa tcaatctcaa aaaggttctg 120  
ttttttcggg gaaatgtgca gcttttgatt gtttcatttt ccgattgttt cagaagaact 180  
ggaatcgccg taaagttcga atttttttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntttt ggctgttggt gtaatctggg 300  
aaagtttggg attttgtatc gatctcagat ggtgaaaaga cgaagaagtg tgattgtttt 360  
ggggatatga ttaaagaacc tgaattgttc ctggtgttga aaanaa 406

<210> 10139  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-066-Q1-E1-B10  
  
<400> 10139

cctcgccgga catgctagaa gataacaatc cacacccaaa cttaccaga gagacaatct 60  
ctgattcacg tccactacaa ttaccgaatc tctccgaagc caccgatcac ctacgctagt 120  
ttcagtgga attcgaagct tccaatgagt ttgttctgta attcaatcgg aaacccttta 180  
tccaaaacca ttcctttcac acaaatctca cttctttacc ttctccaatt ccaaattcca 240  
aaaccctaaa ttcacaagct tccacttcg tcaccaatgg cggatcgaat catgtctgaa 300  
atcagcatct tcatcagaaa tcgatatggg aagaaacana gaaggtatcc tttgcaccaa 360  
aggagaanaa aagttggtag tcgatgggg acttaagaca acaagaccac cacg 414



<210> 10140  
 <211> 375  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-065-Q1-E1-C4  
  
 <400> 10140

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 tgttcttggt aaatcaagga ggctgtgga agctctcaat gtattccacg ctatgctggt 120  
 acaaatttca tcatatccgg atatggtagc ataccgttca attgcagtca cacttggaca 180  
 agctgggcat atcaaggaac tcttctatgt gattgacaca atgaggtctc cacctaaaaa 240  
 gaagttcaag ccancaacac ttganaaatg ggatccccgg cttgaaccag atgttggtgt 300  
 ttacaatgcg gtgctcaacg cangtgttca acgtnnagca ntgggaangg ccatccccgg 360  
 gtatttgnaa cagtt 375

<210> 10141  
 <211> 340  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-065-Q1-E1-C8  
  
 <400> 10141

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnna cttccaattc tcagattagg tgttcgataa 180  
 atgagccggt gaaggtgatg atttcgggtg caccggcttc aggaaaaggc actcaatgtg 240  
 agctcattgt tcacaagttt ggtttggtgc acatatcaac aggggatcta ttgagagcag 300  
 aggtgtcatc tgggacanga tattgggaaa gagagcaaaa 340

<210> 10142  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana





<400> 10146  
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 agttccactg gnaaccaact tgtgggatca anaatctgac tgatgaaaag gccaangett 180  
 ttggangagc caatcacagc cagccacta aggatctcca cgatgccatt gcatctggca 240  
 actaccccgga gtggaaactt ttcattccaga ccatggatcc tgcagatgaa ngataaantt 300  
 tgactttgac ccacttgat ggtgacccaa agatctgggc ctgaaggata ttttgcctct 360  
 gcaaaccggt tgggncgctt ggttcctgaa cagggaccat tgacantttt cgttcagtn 420  
 aaactg 426

<210> 10147  
 <211> 468  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-065-Q1-E1-H2

<400> 10147  
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 atatgttggc caaaaagctt atctacaaga aaattcattc gtctattggg atatcgaagg 120  
 ctggtattag cggaggtggt agtttaccba ttcattgtga caagtttttt gaggccatcg 180  
 gtgtgattct acaaaatggt tatggtttga cagagacctc acctgttggtc tgtgcacgga 240  
 cacttatctg caatgttctt ggctcagctn ggcattcaat gcatggtaca naattcaaaa 300  
 ttgtagatcc tgagactaat aatgtactcc ctctgnttt caaaggggca ttatcaaagt 360  
 cagaggcca cagggttatg aangggttnt tatnangaac catcgactnc aangcangtt 420  
 ccnaaatga gagtnggggtg gttcaagtcc aggagacaac ngggtttg 468

<210> 10148  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-065-Q1-E1-H4

<400> 10148

aaagatctct caaagaatgg cttccgcggc tgttgcacgc atgggttcttg accctaaagc 60

atcaccggcc ttgatggatc tatccaccgc agacgaagaa gatctctatg gccgcctcaa 120

atcgcttgaa cgacaactag agttcaccga tatccaagaa gaatatgtga aagacgagca 180

aaagaatctc aaacgagagc tgttacgang cacaagaaga ggtcaaacga attcaatccg 240

tgccttttgg gataggtcag ttcattggna tggtagatca gaacaacggc atcgctccgg 300

atctactact gggctnccaa ntactangtc aaaatttctca ncacaatcaa ntagagaaac 360

tcttaaangc cttctgcctt ccggtngctc ttcancgtca nntcccaang nccctgggtg 420

agggttttgc ctccggg 437

<210> 10149

<211> 480

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-065-Q1-E1-H6

<400> 10149

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gtgacaaaat cctcttatag gggtattctt agctatgaat ttcctctgca atttcttttt 180

ttccccgcca aaatttctcc tgaagcaaat gtagcttttt acttgctgaa ctaggggttt 240

gttcgatttt gttcctcttt cctcgtgat tttgtcggaa tttctgggtt tgggaagaga 300

anttggannt cgttattgat tgaaatgaag aagcttttag gaggtccngg aactgtgtnt 360

ggtcagtnac tgagaatcgg acaatgttgc ttcagcctgc tgctttcaat cggggtnatg 420

gtctccggct aaaagaagtt cncgttnac actgcttttn tgctacttn gatctgcggt 480

<210> 10150

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-066-Q1-E1-A10

<400> 10150  
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 gaagaacaac aaaactcaga tcagagcaat ggtggaaacg ttattccaac tcctgaagaa 120  
 gttgctacgt tcctgcacaa aactggtgaa gaaggtggat gggaaaaatg ttgggaagaa 180  
 gagataacac catgggacca agggagagcc acacctctca ttgttcatct tgtcgacact 240  
 tcctcactcc cacttggccg tgctctggtc cccggctgtg gtggaggaca cgacgtcggt 300  
 gcgatggcaa gtctgaacg cttcgttggt ggattggata tttccgaaag cgcactcgcg 360  
 aaaagctaag ggngacttac ggctcctcac caaaaggcag aagttacttt tcc 413

<210> 10151  
 <211> 388  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-066-Q1-E1-A2

<400> 10151  
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 ttgcacaagc aacatttanc ttctgcaaac tccagttcat ctctcaacc tcatatcgcc 120  
 gtgtttttctc gctctagtag cgcgagctcg gacgaaccag gaagcaatcc gttaattctag 180  
 aagcgggtgtt gagaagatga cgattacatc aaatatctct gtacagaacg ataacctcgt 240  
 tgttcaaggg aagactatcc ttacaaaaat ccctgacaac attatcctaa ctccggttac 300  
 cggtaatgga ttctgtttccg gntcatttan angcgcgacg tttgaacaaa gcaaagagtc 360  
 ttcattgtgtt ccccatcngt gtattggg 388

<210> 10152  
 <211> 476  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-066-Q1-E1-A3

<400> 10152  
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tgacccatt actgtttctc tttcctctc tcctttggca acacacacgc ttaaggatag 120  
 tgatgggtgat cctgtggctg tttcagtgca ccctgggtggg gattactttg tttgctcaac 180  
 ctccaaaggt gggtgcaagt tatttgagct tgtcggagga gcaacaggta ttacgatctt 240  
 agccaaagaa ctcttctc tccaaaatgc tggactacaa aagtgtatgg cttcagctt 300  
 tgatgggtct aaattagctg ttgggggagt ggatggatgt cttagaatta tggagtggcc 360  
 aaacctaagt gtaatttttg atgagccaaa ggcacacaaa tccatccggg acatggattt 420  
 tagtctgact cagagttctt anccacaaca tcaaccggat gggtnaacct acaaaa 476

<210> 10153  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-066-Q1-E1-A6  
 <400> 10153

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnc aggatttggt ttttccgttt gaggtaaagc agctttgcag 180  
 ttaaagaaac cttgagtatc caatgtcccc ggaagaggag ctacagagca atgtatcggt 240  
 ggctagttct tcacctacta gcaattgcat ctccaggaac actctaggag gacttaaaga 300  
 gcataactac ttgggtctct ctgattgttc ttctgttgga aagctctact ctctctcccc 360  
 ttgtgaaga tgacaaaggn tacgatcaan cctcaaaggt aanggagccc tg 412

<210> 10154  
 <211> 392  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-066-Q1-E1-B1  
 <400> 10154

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 tgaatcggca aagctttaga agaaaatggc atcaggaggt aaagccaagt acataatcgg 120

tgctctcatc ggttctttcg gaatctcata catcttcgac aaagttatct ctgataataa 180  
gatctttgga gggactactc caggaactgt ctctaacaaa gaatggtggg cagcaacgga 240  
tgaagaaatt ccaagcatgg ccaagaaccg ctggctctcc cggtgttatg aatcccatta 300  
nccgtcagaa ttctatcgtc aagactcgtc cggaatgaga aaatnataag gttcaatgct 360  
ttgattttca gaataaggat gaancgatga cc 392

<210> 10155  
<211> 396  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-065-Q1-E1-B5

<400> 10155  
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ctcgacctta tccgttctaa gggtaaaaat gttgtctttg tgaccaacaa ttccgtaaaa 180  
tcgaggaggc aatacgtga aaagttccga tctttggggt gtcacntcta ntactcagga 240  
tgagatcttc ncttcgtcat ttgcggcagc tatgtatctc aaagtcaata actttcntaa 300  
gggncangaa gggttatgtg attggtgcan aanggtgttc ttgagggacc tggcaggatt 360  
gcnggtttna cagggtcctg gggggtcctt gaanaa 396

<210> 10156  
<211> 411  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-063-Q1-E1-G1

<400> 10156  
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attctttgag aagcatccga aatctcaaaa gtgtttgttg ctctttgttc ttttagggac 120  
atgtatggct attggtgata gtgtcctcac tccaacaatc tcagttcttt cagctgtttc 180  
tggagtcaan ctcaagattc ccaaccttca cgagaattan gttggtaatc atcggnangt 240



ntcancttgg tggcganatt ctcagntcca ncgttatggt acgcananag tcgccttcat 300  
 tttcggctcc aatctccact gcttggtctt nctccatcag tagcattgga gtttacaaca 360  
 ctataaantg ggaaccngcg tatagtcctc ngcgctttcg cccggtttan a 411

<210> 10157  
 <211> 407  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-063-Q1-E1-G12  
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 cctcagaagc acttttctgg ttgcaacttc ctcaagccat tcgccatctg atgaacaagc 120  
 taacgagaag gtctccgcag aaaatctctt cccctacttt agactcagga gctgatgaag 180  
 tagctatgcc gagtaaaata ccatctactg gattatcgtc acctgaagcc aggaagatag 240  
 actctatgtg tgatggttca cttagattga tggcttttga gcgaagaaga attacggacg 300  
 cgtgccaatg aacgtcttcc ttggcatgaa aaattagacg gagaagattg cattcagaaa 360  
 caagtacacg anctgataat cagttgggaa atttgggaag cctgctg 407

<210> 10158  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-063-Q1-E1-G3  
 <400> 10158

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 gganattgag actggtttca agtcttggtt atcanaacag aagttaccgg tggnanccgc 180  
 cgttgtcacg gccatgggtg gtgttcangg agctttttatc ggtggtttaa tgggaacttt 240  
 atctcctgaa atgcctcaan gctgngtant gancctcaa agctatggct tcnctnannc 300  
 aaaactcagg ctctgtgttg tgggcctttg gttcaagctc ggaactttgc tgctataact 360

ggtgttaatg ctggtattgc ttgtgttang aaacggatta gaaggcaacg ag 412

<210> 10159  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-063-Q1-E1-G4  
 <400> 10159

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 gaaaaacccg ctccacgctt taatcatgca gcggcgacta ttgggaacaa aatgatagta 180  
 gttggtggag agtctggtag tggtctgttg gatgatgtac aggtgcttaa ctttgattca 240  
 tgtacatggt ccaccgcacg ttcaaaagtt tacttatcgc cgagtagtct tctctcatg 300  
 atccctgctt ggaaaaggcca ttgcttggtc tcttggggta aaaaagtgtc gttggtgggt 360  
 ggaaaaacag atcctagcag tgatagaagt ttcagtgtgg gcatttgat 409

<210> 10160  
 <211> 403  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-063-Q1-E1-G7  
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 atcaaggata ctaaatatga agaagccgtc aaggctcgctg atcaagtttt gtcgattgta 180  
 cctaccgatg aggatgcgat ccgatgcaaa gttgtggctc tgataaaaga cgataagttc 240  
 gatgattatc taatcaaaga cgtaagatc aatgggtgctc tctccgtcat taactcgttt 300  
 ccaatcgatc tangttttca caaggtatag taattttgct aagatttgaa agttttttgg 360  
 ggtctaattg atgtttctct tgataggcgt attgtttaat acc 403

<210> 10161

<211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-063-Q1-E1-G8  
  
 <400> 10161  
  
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 accatctcca accgcaaccg caacaacttt gttagcctta tcagcgatat ccgaagtggg 180  
 agatgcaaag tgtgagtgtt gtggcatgtc tgaagagtgc acgccggagt acatacaccg 240  
 tgtgcgttca naattctcag ggaagctgat ttgcgggctg tgcgananag cgggtggnggg 300  
 ggagatggat aagannanca acagtgaagt gctgatggnn aagcggcnag aagangcagt 360  
 gaagggtacac atgagcgcgt gttcncgggt caacnggcta ggccggga 408

<210> 10162  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-063-Q1-E1-H1  
  
 <400> 10162  
  
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 tgtgtgtgtg atcttcaatg ggtttatgct tagctcaatt ggctgtaaca tgtttgttcc 120  
 tagtaccttt tgttctgtct caagttacag agtttgtaag tatagattgt ggttgctcaa 180  
 gtaactacac agaccaaga actggnctag gatgggtttc agattcagag atcatcaaac 240  
 agggcaagcc agtaactttg gccaatacca attggaactc gatgcaatac cgtangagaa 300  
 gngatttccc aactgacnaa taagaagtat tgttacagac tcagtaccaa agagangaaa 360  
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 acccaaaagn ttcaacttta ccttgggggt 449

<210> 10163  
 <211> 406  
 <212> DNA

<213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-063-Q1-E1-H10  
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 ttctatttaa cttttcttat atataaaaaa aatggcgaaa aatttactag caatatgtct 120  
 ggtgtttatg gttgcatcaa gtgtgggttta tgaagtgcaa gggactttct tgttaaagct 180  
 ttacttgagg aggaagtttc ccagacgttg tatcgacttt gcccttatg ctggcaaagg 240  
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 attcttttca acgttcaagt cttacatgag ctttatcagc tcagcatcga tatccgcac 360  
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cgcgtagtat ctatcagctc agagaaactt ttgttgctta caagaagaat tatgggggtca 240
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tggcaatctt ttgtattgat actcctgaga aacactttgc aaaggtggta agagattcga 360
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tcgatttgat gaaagtaaga ngagagtatt tcaac 455

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<400> 10166

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cgatccggcg ccaaggttct tttaatgcat aagtttgaga tcggtgcgtn attggatctt 360
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<223> unsure at all n locations  
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tcttttcctc acagagaaag gcttctacga gttttggaac tggttcgatt ccgagagttg 180

gtatcctcta ggtcgaatca tcggcggtac tctttatecc ggtcttatgg tcacagctgc 240

gttaatcnac tgggacattg cgatttctcc cgattcttcg ttcatatccc gtgaggtttg 300

tgtgttaacc gcaccgtttt tcgcgtcgaa tacgactctc gttgcgtann ttctttggta 360

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<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-064-Q1-E1-A4

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gcatcatttc ttattanctc tcttcttcgt tgatactatt ttggtgtatt ttcgttctcg 180

tgctgttate tacgacaagt actacaaatg ctttagtgaa aatccccgaaa aacacgaccg 240

ttccggcggt aataagtgtt cggtgattca attgtcgatg ccgggaataa cgacgacatg 300

ataacagaag ctagatgcga ttatgctccc tacggcattg attttgacgg tggagttgct 360

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<211> 415

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-064-Q1-E1-A5

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 ttgtggaagc aacttttcag cattttggta aacttgatat tcttggttaac gccgctgctg 360  
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<210> 10171  
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ggcttctaca ctgagccaat ctttagcggt ttactacagt agtgcaatgg ctgttggtat 360  
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ggncacctcg ttgaggccaa ggtggttctt gacaagtttt ctggtcgctc ccgtgggttt 240  
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<211> 401  
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 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB24-063-Q1-E1-E5  
  
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gtttttgttg agtgggttga gaagagagat ggcgagaagt agatcgatta gtggttatgg 180

gatatggaaa tatttgaatc ctgcgtatta tcttagaaga ccgagacgtt tggctttgct 240

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acatgaggtt gaagttttta agctaaatga agaagtttca cggttggagc agatgttaga 360

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<210> 10181

<211> 403

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-063-Q1-E1-E8

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gttcctcatn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnca acctttaaat gccctaattt tgagggttcta gttgtgggtt 240

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tataaaagag ggaaaatang atagggattt tttgggggtga ggaaagatgg gaagaggaag 360  
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 ccagctggcc tcatacagga gagtgaaaaa gatatttgct cattgcttag atggaagaaa 360  
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<210> 10189  
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<210> 10193  
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 <213> Arabidopsis thaliana

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tgattcatgg ttgctttctg ataccttctc tcacgacaac gatttgctcg caagagctct    180
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<400> 10194

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ttgttgggtca gattgctaaa cgtcaanctg ttgttaatcc gganaatact ttcttctctg 180  
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aatttgctgc tgangagatt tctgctcagg ttttgaggaa gcttgtggat gatgcttcga 360  
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tgcgccagtc tttctccgga ggttttctct cttctcagan cagctcatca nactgtggan 180  
aantacgtaa agagtgggat gattattgggt ttaggatctg gacaagcttc aagattttgc 240  
tatacgttat ttgggtcaac aacttggttc nggttcttta canaatgttg ttgggtgtacc 300  
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ngatgagcct tcncaccgtg tggctttttan atcgcggaac natgantctt ctcaangtga 180  
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 aaatgaaaga tgccgagagt gcaatgaagt cgctgacaga cnacctgttg ctgctgttgt 300  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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 ggtaatggta ntanctacan anacctcttg ttgcagaatc aggaggataa accgaaagcg 180  
 aatggnagcg agaatggttt gaatgatctt gagcatgggtg tacttgaggc ggcanatggt 240  
 ggatttggca gagtcnttgc gttggcaaan ccgatgcng gaaanntagt gattggnacc 300  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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 gaattgagta ttgaacagtt agcttcnagt atctctacct acaaagaana nctcgaacag 180  
 gttaggcagc tttgtcaga ggatccnagg aactcggaat atgcagacat ggnaaaggat 240

CC443304.123456789

gcttaagaga ggtgattgca ttgacagagg aagttcttgc cncngcaaag cagantgagg 300  
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 tggcccgctca gttctctctt gcagatgcta aacaaaancc atatggctat ggtaaaaacc 180  
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 gttttcttcc caacatgtca catggcggtt cttcacttat aactccaaag gcagacagta 360  
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gttctctggga ttttgggtacc agaagcatta gnggtatggg aaacctgggt taaagggtca 420  
tgga 424

<210> 10202  
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<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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aatggttgct ccgaatggct acaaactctga taagaaactt atcagcaagt tgtcttcaag 180  
ctcatttgga aggagacaaa gtgtgtgtcc tagaccaga agatccagtt ctgcaattgt 240  
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tgggtgtcaac aagctcgag atcttggttg tgttacactt ggacccaaag gacgaaatgt 360  
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aatctcagtt gaacatctcc ggagacgctt tatcttcttg gnaagcctcc gaatcgaatc 240  
cttgtcaatg ggtgggaatc aaatgcaacg aaagangtca ngtctcggag atacaactcc 300  
aagtcacgga ttttcaaggc ccgttaccgg cgacgaatct ccggnccagat aaagtcnctg 360  
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<210> 10204  
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 <213> Arabidopsis thaliana  
  
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cctgcgcttt tggcttttgg agattcaatt ctcgatactg gcaacaacaa ttttctcctg  240
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ggaagatttg gaaatggaag agttttctct gatatagttg ctgaaggttt agggatcaag  360
aagattttac cagcttatcg taagttgttc aattctcaa gtgaccttat aactggtgtn  420
tgcttcgcat caggtggtgc angagttgac cctgttacat ccanattgct gagagtttta  480
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tacgttttagt cgaagagatg acttctactt ccgctgcgaa gatctcaatg tttggtgcc  180
aatctggatt cgttatccct aaaaacaaac tatctggatc attgatccca atttttcaac  240
gtggaaacaa aaccctagga agtgccgatt cagacactgg acctccgtcg aagctgggga  300
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437

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gtgcanacat tgggtgtttcg tgtgtatgat gttgacacca agtttcaaaa ttcaagagag 240  
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ataatcacia natcaactag gacgagcaca ttacganctc aagcgcaaag atggctttgc 360  
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<210> 10207  
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<212> DNA  
<213> Arabidopsis thaliana  
  
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agtttatctc tgtctaactt ttctcacatt cgtcagttcc ccacttgtgc tctgctctcg 180  
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tcattctccg ngcaatgctt ttttctgaat tcccgaaggt tgattcanca tcctccatga 300  
cacatattga tgagcctgca acaaantctg caatagccgg ttttttcagg tatagactac 360  
cattccaggg atggcctttc cacaagtatg ctcttttccc aatgggtaca cctacgaatc 420





gctatggatt cagacaaatt gggagaagat cttcctgaga atgtcacctt aaaagatatc 480  
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<210> 10210  
<211> 490  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<210> 10212  
<211> 401  
<212> DNA  
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tgggctttca gcgatggcgg ttacagggct cttcagtatt ccctggctc ctacaacgag 360  
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ttagccagng aaaggatcta agatcaacgt anaagatctc caaaagttct cctccacca 240  
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tcctctacat gtttaaccga cctaaaccg tttaccttgt tgatttctcc tgctacgctt 360  
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453

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<213> Arabidopsis thaliana  
  
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ttggatctag gagttgaccc tccatcgtct cgtgacctc ctttccatgc tgttgctcca 420  
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486

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ccgatttttg aagaggtttc tgcattcgag aagagtgggg acaatatcgg agagttgaaa 180  
ttggacggag gattttcgat gccgaaaatg gacaccaatg acgacnaagc ttttttggtc 240  
cctgagatga atgcatttgg ncgccaattc agggactacg atgttgagag tgagaggcaa 300  
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 agagaggttc tggaagaaga ataataaaaa atatctagca gactcgggcc aggattaccg 180  
 caagcacgtt tatcttcccg atgatattct ggaaatgtgt ttgatgaggc ttcctttgac 240  
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 gtttctccag atgagacgag aaggctcctt tcaaacaccg tggttggttc tggttgctgc 360  
 tcttaaagat ggatgctcct ctggtgatat tcacgggtat gatgtttctc aggacaaatg 420  
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 atgangg 487

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 ttcggaccac caaaaacttt cgatccagag gaggcggagg aggataagag ttccaaggac 240  
 ggcgtgattt tggacagatg gacctgtaat acttgtaaaa ttgagttcct gtctcttcaa 300  
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 <213> Arabidopsis thaliana  
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 tttgccttat caaacgggt ttttgaggc actttcatct ggaggttgtg aactaatggg 240  
 acatagcttt agggttccca cttctcaagc gcttaagaca agaacaagga ggaggagtac 300  
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<210> 10228

<211> 403  
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 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB24-061-Q1-E1-C12  
  
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 gcagctaggc agtggttctta gccgaccatc gtggctacca gttcctgact ttgcactcaa 180  
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 tatgcaataa ggtgacacac ataagcatct ttgtaaaatt ggttttgatc acagaaaatc 360  
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 ctcagaactt gaagttgggtg cggatgataa gagagtattg gatcaaatca ttgattcatt 360  
 aactcgggta gctaattcaa atgaagatta tatatcccca catagagaag canataagat 420  
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<210> 10230  
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 aggatgccaa aacatactac ttatctctc cctctggctc acatggaact cctccatcac 180  
 acactccaac tccacacact ccatcacaca cgccaactcc acacaccct ccttgtaact 240  
 gtggaagtcc accttccan ccttccangc cttcacaccc ttccactcct tcgcagcaan 300  
 cgcnatcaca cctccttct nggtgggata ttactcatct cctccaanca aangaactcc 360  
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 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 tccgacgtga ttgtaacttc gtcgcgtgac aaatcaatca tcctctggaa actcaciaaag 180  
 gaagacaagt cataccgtgt tgctcaccgg gaggatgact ggtcactctc acttcggtca 240  
 agacgttggt ctctcnccg attggacaaa ttcgctctct ccgggatcnt gggacggtga 300  
 gcttcgtcnc tgggatctcn ctaccggaga atctacnct cngtttcgtt tgtcacaacg 360  
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<210> 10234  
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<212> DNA  
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 ggctgcgacg attccaactt cccttacctc ttcaagttga aatgtgaaag atgtggagag 180  
 gtgactccga aagaaacatg tgtgactttg aatgagactt ttactctctc gggaggtagg 240  
 ggtacttgtc atcttgttca gaagtgtgaa ttctgtggaa gggaaggga tgtgactatg 300  
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 <213> Arabidopsis thaliana  
  
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 ttgttcagag tccttanatc atccaccgcc ttgatcatga ggaacatttt tgcgcgcaaa 180  
 gatganggcc ttgtctctag tatgagaaat gagaccanac tcgaactgaa ntaacgtacg 240  
 caagtaanaa ccggcagagc aattgctanc aacgtaagt tatggtattc cttcagcttc 300  
 aatggctctc ctgatctgta ccttcctctg aatnatgat tttgcnggct caaccgcact 360  
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<210> 10238  
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tacttactac tactcagctg cttctgcctt ctagggttct ttctccgttc accctccgcc  180
gcacgagttg tccagctccg ccgcattctt ctgtctccca gatcacgggc tttaagcaaa  240
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gttgattaag attctggatg ataaaccccc taaactcaat aagcagtcaa caagtccaac  420
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catgctgcag ctggtggagt tgggtctctg ttgtgtcaat gggcaaatgc gcttggagcc  180
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caccatgtta ttatgtacaa gaacgaggat ttgtttccc gagtcaatga cattacatcg  300
gggtaaagga gtaaagngtt gtttaatgaa ctctgtgggn aaaagacacc tttaagggga  360
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aa

422

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<213> Arabidopsis thaliana  
  
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tgagagacct tgtgatggtc ttgattcttg ttgcatgaaa catgatgctt gtgtccaatc 180  
caagaataat gattatctaa gccaaagagt tagtcagaag ttcattaact gcatgaacaa 240  
tttcagccag aagaagcaac cgacgttcaa aggtaacaaa tgcgacgctg atgaagtgat 300  
tgatgtcatc tccattgtca tggaagctgc tcttatcgcc ggcaaagtcc tcaaagaaac 360  
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<213> Arabidopsis thaliana  
  
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tgtatcacia agatgatcnt ctttttgang tttttgacnt gccnngatgt cnaaacccaa 360  
nttccgaact ncggtnggaa ggctaaatgt angatcanga agnttcaaac cgcatttcaa 420



tggggtttatt tgggtncgtt tctcacttaa tgttttgtcc ttttccaang ancaggggaac 360  
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<210> 10244  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 gctntgagca gtgtcttggg aatcancctn acgatgatca nggtttctca tgattctaaa 360  
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 caaacatggc aagaggtttg aagaagcatt tgaagaggct caatgctcct aagcattgga 180  
 tgcttgataa acttggtggt gcctttgccc ccaagccgtc ttctgggcca cacaagtcta 240  
 gggagtgttt acccttggtc cttatcatca ngaacagggt gaaagtatgc tctgacatac 300  
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ctngacgaag aacttaccct gccgggggttc antgggattg tttgttgtcc aatcccccaa 420  
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<210> 10246  
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 gaggttgagg agagcttgaa aagttgtttg tcaacatgga gcgcaagact attgacttgg 180  
 agcaaggatg ggactatatg cagactggaa ttactaagct gaaacggatt ctggaaggat 240  
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<210> 10247  
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 <212> DNA  
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 aggttatctt anctcttgct ctcgtagtgt tentggccct tgctgcaacc aaggttgagg 180  
 ccacaagnta cataacttat cctgctancg atcgtggaga tcatgctgta cattgtgaca 240  
 aagcccaccc taacacctgc aacaagaaag aagcaaattc ttaccaagag aggatgagag 300  
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<210> 10248  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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taaacttata ttttctctct caaagactga nantttanca aaatgggtctc atcgctntca 300
tcattgttan ctccatcttc atatacagag ttaaaagatg cntgggaatc cancaacaaa 360
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<210> 10249  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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atgctgagaa aaaaggagaa gattctgaca agaagcctca agaaggagaa tctaacaaag 180
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 aacatcacccg agttcccgat gtttattaag gacttacaaa gattatgggtg gttagacatt 180  
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 tactacggcg ttgcggatga ggaagaacct cttctccaat ctgttgagtgc tcgtatttgc 180  
 caagaggaag atagtactaa gaaccttgaa gtccttctgt cttgtaatgg tagtttaaag 240  
 tatgctcacc gcaagtgtgt tcagcgttgg tgtaatgaga aaggcgacat aacctgtgaa 300  
 atatgtcacc aagccttctc aacatggata cactgcacct ccgcctctc ctctgatga 360  
 aactataatt cacatcggtg acgattggga naacgggggt tcggttggnct ct 412

<210> 10252  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-059-Q1-E1-D1

<400> 10252

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cgtggggagac tatatggcct cccattgctc catgagagta atcctcctca gattctccaa 120  
tggcgtctct tccagatcca ttctcaactc cactaaccat cgtcttctta ngtcttacca 180  
tgaccaacac tctctcgtct ctttctcctca tctctcccca cactactant tcgcatttca 240  
cggctgcgtc acaacaatca gatgaccaga actgcttccg caagcttcan actcagnnaa 300  
ggatttcgat ttcaactcct ctttgtatgg gtcgtcgttc ttccaagatc gctgtccaaa 360  
gggcnctcaa anatttcaaa ggaaaggcga agctatactg tanaaatttg gnangggngng 420  
ttngtaccct gcntgttcaa agaaangggg ggtccaaaaa ccaagtttta aaattacgan 480  
ctccgggcta actanttctt ggagaa 506

<210> 10253  
<211> 445  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-059-Q1-E1-D10

<400> 10253

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acgacagcga tgatgagatc cggatatttg aaaagttgaa atataagaga gtctctgtgt 120  
gtaatgagga tactgagtct ggaaggaagc agttgacgcc atctgggatt acaaatggag 180  
aaaattccgg caagaagaaa gctgtgtccg aacaggcgtc cgaagacatg gattgtgcgg 240  
aggaaattga aacggcgtct gatgaaaaag agattggtaa tgataataag aggggaatcaa 300  
ccatgactag tcgtcagcga gcccttgctt ctggcagatc cagcgcgatt gatttttcag 360  
atggattacc tctacatct aagaagtaag attttaatcc ttgctactg ccacataaat 420  
cttagcaatt aagggtcata anggt 445

<210> 10254  
<211> 417

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-D11  
  
 <400> 10254  
  
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 cgattgtctc cgacgaagag aagctgacac ttctgggttt cgtcaatttc tactgggata 120  
 aagctctcta ctaccttttt gctcagagaa aatgggtttga ttttcgagga tgataaaggc 180  
 ttcaggttgt tgtagagggtg tttttgccag ctttgggtgt ggtcatggat tttatcgctt 240  
 cttgttattt attatctggt tatcaagctt ccaagatgta gctgcgcatg ataagcttaa 300  
 tgagcatagt agcagatcca caacctctga attggcaaatt ccacctggta ttgggagtat 360  
 ctgggcccat tcaagtatca ncgtccgtaa tccccaaata tgcacccccg gtccaac 417

<210> 10255  
 <211> 500  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-D5  
  
 <400> 10255  
  
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 caagcacaac agcaagcctg gctccagaag agaagaacgg agaacatggc tcgtaaatca 180  
 gctggagagg agcctttacc agaagaggat ccttcaaacc caatctttaa ggcgatccct 240  
 gaaaccatcc taaggctaga ngagttccct catcaacaaa accaaagttc ncaanactcc 300  
 tgggtggccaa aatcaatngg agttggctng gcaaaaattt cangaagggc ttaacctnga 360  
 caaaagcaat tgcacgaacc aactgatggn anaagaacaa cccaagnitt tgggtttttg 420  
 agtcnagaaa anntggaaag aacttgggng ggaanaatgg gttcctaaat ttggtttttc 480  
 cgngggatgt ttttgttttt 500

<210> 10256  
 <211> 408



<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-D6  
 <400> 10256

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 ccttcgtctc atcgtctctt atccatccct cttaacacag atctctcaaa ctctcatctc 180  
 ttctcttcca ctttctgcaa ctttcgacgt cgtctgtggg gtteettaca ctgctctccc 240  
 tatcgccact gttgtctctg tttccaatgg tateccctatg cttatgcggc gtaaggagat 300  
 taaagactat ggaacatcta aagctattga aggaatcttc gaaaaggatc aaacttgttt 360  
 gataattgaa ngatcttgta actagtgggt gcttctgttc tcgaaacn 408

<210> 10257  
 <211> 515  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-D7  
 <400> 10257

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 gtgggctaaa ggtttcgact ttactgtttc tattttcgga aagagagtgc aagattgaaa 120  
 tcgaagatga aggcggcaac aaggccgatc cacgccgtga cgacatgggt tcgtcggcaa 180  
 ccaccaaagg ttaaaggttt tctcgggtgt gtctccgcca tgactgccct cgttttgttg 240  
 agagtgattg ttcatgacca cgacaatctt tttgtcgtg ctgaagctgt tcattccctt 300  
 ggaatctccc gtcccttaat cctataaaac tcaccaaagg aagagggact gtgcctggga 360  
 ttaanctcct caaagggtcaa caaagaagct aaacaagctc ctgggttttt ggccgggtga 420  
 agaactggta ttggtagttt ttggttgnat gggaantttg aanaattcaa caacgtttac 480  
 ntggacncgg ctacaattgg ggggactaca ctttt 515

<210> 10258  
 <211> 413

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-D9  
  
 <400> 10258  
  
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 gatgtcttga aggtcagga agtcgctaaa gaagctgtca ctagagctag aagaggagaa 180  
 ggtccaacct tggttgaatg tgagacttat agattcagag gacactcctt ggctgatccc 240  
 gatgagctcc gtgatgtgc tgagaaagcc aaatacgcg ctagagaccc aatcgagca 300  
 ttgaagaagt atttgataga gaacaagctt gcaaaggaag cagagctaaa gtcaatagag 360  
 aaaaagatag acgagttggt ggangaagcg gttaatttgc aaaacccaan tcc 413

<210> 10259  
 <211> 426  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-E1  
  
 <400> 10259  
  
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 ccgtataatc tgataataaa gtaagatgtc tgctactccg gaagaagaca agaagcctga 120  
 ccaaggagct cacatcaatc tcaaagtcaa gggacaggat ggtaatgaag tcttcttttag 180  
 gatcaagaga agcactcagc tcaaaaaact gatgaatgct tactgtgacc gtcagtctgt 240  
 ggatttcaac tcaattgctt tcttgtttga tggcgtcgt cttcgtgccg agcagactcc 300  
 agatgagctt gaaatggaag atggagatga gatcgaatnc aatgcttcat canactgggt 360  
 tgggtgtgct aaaaatggcc tgaagctctt ctgcttttan tggcgggtta ttttaaangg 420  
 ttttcc 426

<210> 10260  
 <211> 426  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-B9

<400> 10260

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 ctgcgatcgc ccggacttcc tcgcttctca gagctcgtct tttcgctcct gcctccgaat 180  
 tccattctcg ctttttctaataa ggactataacc acttgagcga caaaattagt agcagtaatg 240  
 gtgtgaggtc tgctctctata gacttgatta caagaatgga tgataagttc tccaaagccc 300  
 attctcgcat ttggcgtgca aaacttttca tctacaggac ccatatcaca aacgggttctt 360  
 gcaatgccaa ccttgtctcc taanaatgag tcatnggaaa tgttgtaaaa atggntgaaa 420  
 aaaaga 426

<210> 10261  
 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-058-Q1-E1-G11

<400> 10261

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 ggattagcaa gcgttgatcc ttggtcattc cgtcaaaact tcaacatcga ttcgtggcta 180  
 ctctctgatt ccttctcaca cgacagtgat atactcgcta aagctcttca cagatccatc 240  
 tccaanttcc ancgatcat cccctcttct tcttctatct ttcttcgact cttcaaccgc 300  
 cgccgtcgat ttttctctc ctcaaactct ctccaacgct tctttcggnt cagattcaag 360  
 aantcnccg ncgctagtgc tcttgggnct cngggaaacn aaaaacgttg gtcct 415

<210> 10262  
 <211> 453  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-G5

<400> 10262

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aggtcagcga atccggcgac gaatatccgc cactagtaac tctagctcag gtaaggattt 120  
gtgtccatgg cagctttgca aacgcttcgt gaatggatcg gtatccagca gttcccacct 180  
gctactcaat ctaaattgct cgagatcctt gggaagtata aagaagagga tgtgagctcg 240  
ctaacgggcc ttgtaatggg gaaagggtgt gttggaaagt catcaactgt gaattcagtt 300  
ataggcggaag aaagctgctg cagttagtac tttccagtct gaaggactga ggcctacctt 360  
gggtctctcg cacaaagatc gggattttaca ttgaatatca tccgacactc ctggctcctaa 420  
tgaagggaag gtatgttgaa tgggttcaanc caa 453

<210> 10263

<211> 408

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-G9

<400> 10263

ctctcgagac tcgtgtatgt tgattttacgg tttgttcaag caaagagaat gatgaatcta 60  
ggatctcttt cgttgagtac gagcaagtcg agtaagccaa tggtttagcat cagcttttgg 120  
ataccgtatt tcaactactg gggagagagc ctgctgggtct gtggctcggc tcctggactt 180  
ggttccggga atgtgaaaaa aggtttgctg ctaaagccat cccagcaaga tgatcagctc 240  
atctggagtg gctctgtctc gggtccacct gggtttagct ctgactattg ttactatgtg 300  
gtggatgact cgaagagtgt gttaagggtc ggagtttggg atgaaacgaa aacttgtggt 360  
gcctgagaca ttgaccggtg gagaatctgt tcattctcgt gatcccng 408

<210> 10264

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H1

<400> 10264

attgtagaaa gtgcaatcaa tataaaccgc ctggttctca ccattgttca gtctgtggaa 60

gatgcataact aaagatggac catcactgtg tttgggtggt gaattgtgtt ggtgcaaata 120

actacaaatc atttctccta ttcttgTTTT acacatttct tgagacaacg gtggttgcag 180

tatcactatt gccaatTTTc ctggtattct tcagcgatgg agatggtgat ataaccgtat 240

caccaggaag cctagcagcc agctttgttg catttgtatt gaacatanca tttgccctaa 300

gtgtcctaag gcttccctaa taatgcacat aatgttggtc gctcgtaaca acacaactat 360

tgaggcgtnt ganaaacata cagttaactg ggcaatacaa cgtttgggcc gtaagacaaa 420

atttn 425

<210> 10265

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H5

<400> 10265

acgcgtccgc tgcttcgatg gactctcaact cttcccacct caacgccgcc aatcgttccc 60

gcagnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

acaaacgcaa actcgccgcc accacggcag cgaatgcagc cgcttctgaa gatcacgccc 180

ctccttcttc ctctttccct ccttctctct tctctgccga tactcgcgan ggggctttaa 240

cctccaacga tgaactcgag agcatctccg ctcgcgccgc cgatacagat tcagatcctg 300

atgaatcaga ggatatagtc gtggatgatg acgaggacga atttgctcct gaacaggacc 360

aaggactctt cnatccgcac attcaaccgg gcggctcgag tccattccaa gctctggagt 420

caaagggtcn aag 433

<210> 10266

<211> 455

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H6

<400> 10266

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aatatttctc cttacttttg aagctgtaat aatattcttg aatctattcc tttctttctc 120

tttctcatgt ttaatcgggtg aaggctttac tctgtttctt tcatcatgtt tcaatcaaaa 180

gccttaactt tttcttttagc tctttccatt acaagagacc tctagcttca tactttttat 240

aaaaattctc tctttttctc agtttaatcc tcaaagaaat gggttcaaag attggtatca 300

aatccggtgg gaggttagct tcaanggaga ctcaacaaac gttgggacgg catggaaccg 360

acaaatccca cgaatcatgg cgttgctgg aatcatgtca aacatcgata atgactctaa 420

agacactgat cnggtctcct aaaagatngt atcat 455

<210> 10267

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-H7

<400> 10267

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gagctgttgc taaacgtctt agcttcactg gatctggtga aggtaatggg ggtttttgga 120

atcgtggtat ctccgcttgt gctgtttgcg acggagctgc tccgattttt aggaataagc 180

ctcttggtgt tattggtggt ggtgattcag ctatggagga agcgaatttt ctgactaagt 240

atggatctaa ggtttatatt attcatagga gggatacgtt tagggcgtct aagattatgc 300

agcanagagc tttgtctaac cctaagattg aagtgatttg gaactccgcc gtgggttgang 360

ctatggtgat gaaaatggac gtgtccttgg aggattgaaa gggaanaatg ttgtta 416

<210> 10268

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-058-Q1-E1-H9

<400> 10268

aaaatgacag aactcaaag gatatgtatt tcattctcac taacactctt gctaagctta 60

gcagttgaag gagcctttaa cataaaccag aaatgggtctg gtggaagtca ttttggttac 120  
gagggcggtg tctgttttcc cggctctctgc attggaggat ctggtggttag tagagtccat 180  
tatggcaggg accattacgg tgggtggaagt caatatagag gtggtattgg ttacagagag 240  
accatgtact gcaaaccgtt gacttggttat ggtgggtcat gtgatgcact ccatttgcac 300  
ttagacaaag gggttatatga atctctcata cgcaatacta agacagcgaa acaatcgctg 360  
actgttgatt tcaacatgcc aagagacttg aaacacaatg tcatcaaaca 410

<210> 10269  
<211> 426  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-059-Q1-E1-A12  
<400> 10269

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gtgcataatg gtgcaaaactt ttatgacagc aaagttgttt ctcttccact ctgcgtcacc 180  
cactcccagc gagggctagc gttcatggcc gaaattcatt ttgggtcccc tcaaaagaaa 240  
caatttcttc acatggatac gggtagcagc ctacatgga ctcaatgctt cccttgctcc 300  
gactgctatg ccagaagat ttatccaaaa taccgaccag cagcttcaat aacatatcgc 360  
gatgcgatgt gtgaagattc ccatccaaag tccaatccgc attntgcatt tgatcctttg 420  
ncgaga 426

<210> 10270  
<211> 434  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-059-Q1-E1-A5  
<400> 10270

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tgggttgagtt catggagaaa gttgcaaaga ctgttgacac cgatgagctt actgtcgaag 180  
 agagaaacct cttgtctggt gcttacaaga acgtcattgg tgctaggaga gcttcctgga 240  
 ggatcatatc ttccattgaa cagaaggaag aaagcagagg aaacgatgat catgtttcca 300  
 ttatcaagga ctacagagga aagatcgaaa ctgaactcag caaaatctgt gatggaatac 360  
 tcaatcttct gggattctca ccttgttccc actgcatctt tggccgaatc caaagtcctt 420  
 taactcaaaa tgaa 434

<210> 10271  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-A7  
  
 <400> 10271

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 aaacctgggg atcatcctcc tttctccaaa attatacatt cgtcttcaca gcctaaggag 180  
 cgacaaggaa agggaatctt acaaacgcca tttgccagtg tgggatcctt gacaagtttt 240  
 cagcttttga gggaattggg gaggtcmeta ttaccggtga tggcantggt tgttgacaaa 300  
 ctcccttcan atggctacac tccttgaaag ctttggtggt ctgagatatg tnaagcctgg 360  
 aagagctcca atgttcaagc atgcctaatt tgttgctggt ttgtcccta aatggg 416

<210> 10272  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-B10  
  
 <400> 10272

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 aggattgaga aagtaagaat aaacagaaga gacggtatct ccaaaatctt aggaacagct 180



ctttgtgtcg ccggagcttc cgtcatacacc ctctataaag gtccaaccat ctacactccg 240  
gctagccacc tccacgetca tctactcacc acaaactccg ccgtcttagc gccgctagga 300  
aacgccgcgc ctaaaaactg ggacccttgg ttgcatctac ctaatcggtc actgtctctc 360  
gtggtcaggc tggcttgttt tccaaagctc cggttctaaa tectaanc 408

<210> 10273  
<211> 485  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-059-Q1-E1-B3  
<400> 10273

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
nnnnnnnnnn nnnntcttt gtggccctct ttatctcggc cgtgttagtg agctcagtct 180  
ccgcggctac aatggagtct ccagcaccat caccaggtgc ttctctgcc tccaccgtag 240  
cttttccggt gggttggtcc attgttgctg catcactctc cgcttcttg gctcttctct 300  
tgcagtagaa agacaagagt cctcaaaaata tgagaaggag atatataaca aaactctttt 360  
tttgttctga ttttgttctt tagaatctat ggatgacana taaccattt tgatgtanaa 420  
tccccattgg gtaanttatt aactaatat ataatggagt ntntgataat nagtaagcac 480  
tattt 485

<210> 10274  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-058-Q1-E1-G10  
<400> 10274

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ggaggagggt gtgaaagtct tcacggtggc agatctgaag aaagcgacta atgatttcgg 120  
aaaccagatg gaactaggag agagcttggg atacatcaat cccaaaacgt tatctccggc 180

caagaaaggt gttggcatgg ccgtcgcggt caagaaaatt tacttagcca atgaacaagc 240  
 ttttcaagat tggcttggtg acgtanagtt tctacnacat aactctcatc caagcttggt 300  
 gaagctaatt ggctactggt atgatcgtgg atatgttggt tattgtttct gaatactttc 360  
 caaatggaag cttangaagt tacatcagta gagatagtcc gtccaanag 409

<210> 10275  
 <211> 212  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-B5  
 <400> 10275

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 gtatcaatcc taccatgggt cttcaggagt acctcctcat cgtcttcaac aagctcagat 120  
 atatccatag atttgtattt gtctgtacga aagaagtcta tgatgtaaga gttccacatg 180  
 aagaagtgaa ttacagangn aaaaaaaaaa gg 212

<210> 10276  
 <211> 387  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-059-Q1-E1-B7  
 <400> 10276

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 acgcagatga gctgataaag acgggctaagt acattgccac accggggaaa gggcattttg 120  
 gcagcagacg anagcacggg aactattggg aaacgattcg ccaagcatca atgttgagaa 180  
 cattgagtcc aaccgccaag ctctccgtga gctcctcttc acgtcncctg ggcactttcc 240  
 ttgccctctc cgggtgttat ccctcttcga ggaaaccctc taccaagaaa aaacaacggg 300  
 atgggcaaaa ccctttcgnt tgagctcctc aatgggaaaa cgggagttaa tccctgggaa 360  
 tcaaaagttg gacaaagggg tgtnggg 387

<210> 10277

<211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10277  
  
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 gattcaacca tggctaattgc agcatcagga atggcaagtc catgatgact gcaagctgaa 120  
 atttatggaa ttgaagacga aaaggacaca ccgtttcatc atttacaaga ttgaggagct 180  
 gcagaaacaa gtgattgttg agaaaatcgg tgaaccgggt caaacccatg aggaccttgc 240  
 tgcaagtctt ccaagctgat gaatgccgct atgccatttt cgattttgat tttgtcaagt 300  
 tctgaggggtg tccaaggag caggattttt ttcgtggcat ggtctccgga cacagcaang 360  
 agtgagaagc aagatgatct atgcgaagct ccaaaggaca aggttcaaga gagaa 415

<210> 10278  
 <211> 411  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-058-Q1-E1-E11  
  
 <400> 10278  
  
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 aggaacaaat ggtgatccat tcttcaatcg tcttgcttca agaaagattc agacaacttc 120  
 agagagcaag agagttaaga gctgaacgag agctcctaaa ccctaaacct aaccaccaag 180  
 acaacatctt gcaatattac agcgaacca ctantttcgg tttctttcag tttctaccta 240  
 taaactctca aacatcttcg tcacagcagc tcctatccct ctctttatgc tcacactcca 300  
 cctctgaatc cattgaaaag ccaagctttt gtcatcagtg gccaaataaa gatgacaaag 360  
 aagatgggtg ggattgatcg atacgacgat gttgacacgt ctctgcatct c 411

<210> 10279  
 <211> 472  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-058-Q1-E1-E2

<400> 10279

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tccanaattc aaaggtcgac ccncccgctc ggggtgcatnc actaataatc agatatgggt 60
gactccatat aaccggctcag aacaatatgc cggaggagtt ctaatttacc agagccaagg 120
tgatgacaca ctacaagttt ggtcagaccg ggaccgttcg atcgaaaaca aggacatagt 180
actgtggtac acactagggg tccatcacgt accttgtcaa gaagattatc cagttatgcc 240
aaccgttgcg gctagctttg aacttaaacc agcaaatttc tttgaatcca atccgattct 300
tggtgtctgt cctttcttcg aaaaagactt acccggtctg tacaccattt gttcatcct 360
gaccggttct gttccgacta atactccaat agtatacaag ttgagaaaga ttaaantatc 420
cgggtgttac caaacacctg gttggaagnt natttgcccg gttttggcaa na 472
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<210> 10280

<211> 495

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E3

<400> 10280

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ggaaatTTTT ctccatatta caaaagaact aaagaagatg gatcagtcac catcaacgtt 120
gtcataaac cagagaaagt catcatcgtc tccgactagg atcccaccta agcagaagag 180
gaagtcaacg actacgcaca aacccatcaa agtccgttac atatcaaadc cgatgagagt 240
cgagacttgt ctttctaagt tcagagagct tgttcangaa ctcaccgggc aagacgncgc 300
tgatctaacc accgtcgccc aacaactttt aacggccgta nttntccaac ggttccgttn 360
tgagtccgga naatgaacnt agaagccgnt tgggatgggn aaaggtccgt tggagaagta 420
ttattcaccg ttggatggag gaaantgttt naatggcncc tcaanatgtc ggcaaggtct 480
ttccggtttt ttcnc 495
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<210> 10281

<211> 431

<212> DNA

<213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-058-Q1-E1-E6  
 <400> 10281

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 gtctgtcatt gtctatggag acagagaaaa gccagcattg attacttata ctgatttagc 120  
 cctaaaccat atgtcatgct tccaagggtt attcttctgt cctgaagcag cttcattgct 180  
 gcttcataac ttctgcattt accatatcag tccacctggg catgagttag gagctgctcc 240  
 aatttgtcct aatgattcag tcccttctgc tgaaaacttg gcagatcaga tccttgaagt 300  
 tctcaacttt ttcggccttg gtgttgtgat gtgtatggga gtgactgcag gtgcttatat 360  
 cctcacctta ttcgcgatga aacatagaga acgggttcct ggtttgatcc ntgtctcaac 420  
 gttaagcaaa g 431

<210> 10282  
 <211> 464  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-058-Q1-E1-E7  
 <400> 10282

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 accactcggg ggtcaattct tgggtgtcaa cgaaacttcc ttcgccggaa acacttacct 120  
 ctgtctccct caccgtgtct cttgtccaac acggccagga caaacctccg atcacaaatca 180  
 cacggcgttg ttctcaccgt caaggatcgt aatcacgggt atcgcagcga tcaccggttt 240  
 gatcctaata agtgaacga ttcgtcaaga tgaataaaga agaaagaaac aagaaatctc 300  
 cccgcctggg aaaactaaac ggccttcaag aaaactaaga attcaaattc gaaagaacgt 360  
 tcctcnaat tgtcttaaag aagaggaaca taatccggta aanggcggan ctggaattgt 420  
 cnancgtggg nttaatgcc aacaacgtaa acgtcgcgat taaa 464

<210> 10283  
 <211> 425  
 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E8

<400> 10283

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gaatgagttt atgacacatt gggatgggct aatgacgaaa cccggtgaaa ggattctcgt 120

tcttgacgcg acaaacagac cgtttgatct tgatgaagct atcattagga ggtttgagag 180

aagaataatg gtgggacttc cttcgattga gagcagagag aagatcttga gaactttgtt 240

gtcgaaagag aaaacagaga atcttgattt ccatgagctt gggcagataa cagaaggcta 300

cagtggaagt gatctcaaga acttatgcat cacagctgct tatagaccag ttagagagct 360

gattcagcaa gaaaagattg aaaagtnagg agaaggaaga aagagaagaa agaagcaagg 420

aaaan 425

<210> 10284

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-E9

<400> 10284

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cttacagctg caccgaaaat gacaagaatg cctccttca aatcaagaaa gcacttggca 120

atcctccctt tctatcctcc tggaaccccc gaaccgactg ttgtaccggc tggaccggcg 180

tcgaatgcac taaccgtcgc gttaccggtc tcagcggtac ctccggcgaa gtctccggtc 240

aagatctcgt accagatcgg cgacctcggt gacctccgta cactagattt cagctacctg 300

ccacacctca ccggaacat cncacgcagc atcacnaaac tcaagaacct caatactctc 360

tacttgaagc anactaagtc tctccggtnc gattcctgat tacatcaagn gag 413

<210> 10285

<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223>        unsure at all n locations  
 <223>        Clone ID: LIB24-058-Q1-E1-F1  
  
 <400>        10285  
  
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 cacctgatgg tagcctttgc ccctctgctg ttgatattaa acggaagatg gaaatgttac    120  
 cggttaagca agaaggttac tcagatgggc cagccccgct aaaacttgga ataaggaaga    180  
 atcgtaatgg catttgggaa gtttagcaaac ctaatacaaa tggattatct tccaagtaat    240  
 aggcaagaaa aggttgggta tcaggagaag aatattatac caaatgagta ntactgtac    300  
 tggaantngt anggatgggtg atgatgcaag ccgttaacca aggattccna ntggnacttt    360  
 gaccttgnta nccaacggca atggaacctt gattccaatt tcaatgaatg gttgaattca    420  
 nggttaaaan ctttcctga aagnaaacca atcc                                        454

<210>        10286  
 <211>        507  
 <212>        DNA  
 <213>        Arabidopsis thaliana

<223>        unsure at all n locations  
 <223>        Clone ID: LIB24-058-Q1-E1-F3  
  
 <400>        10286  
  
 cgttagccgn ccgtaggcct ccanaattcc anggtcgacc cacgcgtccg cccacgcgtc    60  
 cgattcttta tacgtataat aacatccctt gtgatcaaac aagtaaacca ttcaaaagat    120  
 gaaaggaaga attttgattt tgagtttgct cataatgagt ctgggtcatgg cacaagttca    180  
 agtagaagca aagatctgct gcccttccaa ccaagctaga aatggctata gtgtatgccg    240  
 tataaggttt tccaagggaa ggtgtatgca agtgagtgga tgccaaaact ctgatacatg    300  
 ccctcgaggt tgggtaaacg ccattctcga aaactcaagt natgctacca aatgagcact    360  
 gcaaagttaa ggtgtgaaac cttctgtgtg tgggtgccaa tgaacanccc ccaanaancn    420  
 ggangnaann tgaaatttgt aaangnnct ttcggaacaa atgttccaaa ggaatgttcc    480  
 aattttccgg taccaaanag ccaagtt    507

<210>        10287  
 <211>        408  
 <212>        DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-F5

<400> 10287

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gtagtagtag tagtaccact catctcaatt tcaacctcct tcatattcct ttcttttttt  120
ttgcctttct tcttaattaa aatcttggtt ttttttggtt taaatgaaaa gaaaaaaaaa  180
atcgaaactt gaggattcta cagcgaatcg cgtgcttata tccgcaggct ggttgcata  240
ttatcatatc cccagatttt tttttttgag gaaccacttg tgttgagaag gaatcganag  300
aacctttacg aggaagcttt gactcgaaat ctctctgaag aagaagagga gaagacgaaa  360
ctgttggtt agtttccgac gccgggaacg tcngaactcc ggtgaaca                408

```

<210> 10288

<211> 502

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-058-Q1-E1-F7

<400> 10288

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agccatggtt ctcaagactg agctttgccc attcagtggc cagaaaattt accctggtag  120
agggatcaga tttatccgat cggactctca ggtgtttttg tttctcaact ccaaagttaa  180
gaggatattc cacaacaagt tgaagccatc taagctttgc tggactgcta tgtaccgaaa  240
gcagcacaag aaggacgcag cacaagaggc tgtgaagaga aggagacgtg caactaagaa  300
gccttactca aggtccattg tcggtgctac tttggagggt attcanaaag aaaccaacaa  360
nanaaacctt gaaattccgt gatgccgcct anaagaanct gccctacgtt aagantcaag  420
ggagaagaat caagaaanac caaggacnag aagaaaggca aagaangtcc aantatgcat  480
caaagcaaca aaaattcnca ag                                502

```

<210> 10289

<211> 432

<212> DNA



<213>      *Arabidopsis thaliana*

<223>      unsure at all n locations

<223>      Clone ID: LIB24-058-Q1-E1-D8

<400>      10289

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cctatacgag ctcagnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    120

nnnnnnnnnn aaggttgga cttttcttgg gatgagaatt cacttcttct ccaattgaaa    180

gatggggttag gagatgaagc tattgaagtt atctatgttg gttgtttgaa agaagagatt    240

cctcttaatg agcaagaaga agtgtatcag attcttcttg agagtttcaa gtgtgtgcct    300

acgtttttgc ctttggattt gtacactaga tactaccatg gattctgtaa gcaacagctt    360

tggcctttgt ttcattacat gttgccactt tctcctgac ntggnagtaa ggttgataag    420

gactttgtgg ca    432

<210>      10290

<211>      489

<212>      DNA

<213>      *Arabidopsis thaliana*

<223>      unsure at all n locations

<223>      Clone ID: LIB24-058-Q1-E1-F8

<400>      10290

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atctcaaaac caaagctctc gtgctcttgt cgttgatgtt ggttgtgtag actttgtata    120

caatgatgaa aagtttggcg aatgctgttg gagcgaagac ggcgagggct tgcgacagct    180

gcgtgaagag acgtgcacgg tggactgctg cgccgacga tgcttttctt tgccagtctt    240

gcgacagttt ggtccattca gcaaaccctc ttgctcgccg ccacgagaga gtccgtttga    300

agacggctag cccggcggtc gtaaagcata gcaaccctc atcagcttct cctccacatg    360

aggctgccac gtggcatcac gggtttactc gtaaagctcg aacgccacgt ggctctggta    420

agaaaaacaa ttcgtcgata tttcatgact tggttcctga tattaagtaa tgaggatnag    480

acagacaac    489

<210>      10291

<211> 495  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10291  
  
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 atacataaca gtattgacag tgatgggagt gaagagagca ccaaaccatgt gtgcctctgt 180  
 tggaatccaa ggcattgctt gggctttcgg tggcatgac tttgcccttg tctactgtac 240  
 tgctggaatc tctggtgggc acataaaccc agcggtgaca tttggtctgt tcttggctcg 300  
 taagctgtca ttgacgaaag ctgtcnttta catcgtgatg caatgtctcg gagncatctg 360  
 cggcgccgga gttgtcaaaa gcttccagcc aaatccctta acaaactctc cggcggagga 420  
 gccaacacaa tcgctcacgg ggacactaaa ggctcngggg ttgggtgccg naaaaaatcc 480  
 ggaaccttcg ncctt 495

<210> 10292  
 <211> 486  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-054-Q1-E1-B7  
  
 <400> 10292  
  
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 cctactcgcc agctattcat cgacggcgaa tggagagaac ccatcttgaa gaagcgaatc 180  
 ccgatcgta atccagctac tgaagaggtc attggtgata ttctgcagc tacaacggag 240  
 gacgtggatg ttgctgtcaa cgctgctcga agagcattat caaggaataa agggaaatat 300  
 tgggccaag gcacctggag ctgttcgtgc taagtattta cgtgctattg ctgctaaggt 360  
 aaatganaga aagacggatc tggcaaagct cnangcgctt gattgtggta aaccattgga 420  
 tgaagcagta tgggatatgg atgatgttgc tggatgtttt gaattttatg ctgaccttgc 480

<210> 10293  
 <211> 453  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10293

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tcttctctcca actccactgc cgccgatcaa actctccggc cgcaagaaga gctccagaag  180
ctaactactga ttagacaaga actcgacaaa atcaacaagc cggctgtgaa aactattcag  240
agctcagatg gagataaaat agattgtggt tcaactcatc agcaaccaag ctttcgatca  300
tcctctctta caaggacaaa aaccattgga tccgcctgag ataccaaaag gatacagcga  360
agatgatgga tcatatgaaa actcccagct ttgggagttt atccgggtga gtcttgccn   420
ggaangtacg attccggatt aggaggacaa ccg                                   453
  
```

<210> 10294  
 <211> 476  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10294

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aaagtgacga ggaagaagat gagtangaag aacgataccg ccaccgtatc tgctcgtatc  120
gccgccatta tcgccgcaa gaaacgtcgc aagtctggca aacgcagcat gtgtcaggga  180
atgtgtttta ctcttctac acttgaagat ccattcaatg aaaggcaagg taaagctgat  240
attactnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccatct  300
cctatgtcta ttgaaggtgt tgagaagatg gatgggccac caaagtttct gatgttaaac  360
ttgaatgaga ttgagagctc atttcgtaaa ngatattaca tacagtgaac aacatgataa  420
  
```

gtctttgttt actaagtagt tgggggattg agttctggaa atgttactcc tcnggg 476

<210> 10295  
 <211> 484  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 10295

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 aagctgncan gagaggaaca agaagttcat ggaaaagaaa ctcaacanac tcaagagaga 120  
 gatggagtgt tttggtccgc aagctgttgt cagctaatac cgcgagtatg gagaagataa 180  
 ggaagacgat tatctatggt ggttggnecat tttattacta aaaagctcag ttcgagcagg 240  
 cacttatgca agagatgctg actgttttgt tttaaccgaa aagagcttat tgatgttatc 300  
 agtgctgttt aaagtgtatg gggctatggt agattctggt tttccgggag catgaaatcg 360  
 cagcatccga caaagaaaag gtgagtaatt tggtagcact aagttcctac acacggaatc 420  
 atccaatctt ctgaagcaga gtattgtggt atttgttcaa atcccagttt tcaactgggcc 480  
 atcc 484

<210> 10296  
 <211> 420  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-054-Q1-E1-C6  
 <400> 10296

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 cattaggggt tatctgagct ccaaaatcac cctaattcta gtgtatttct cagcaagcaa 120  
 gcttcttctt tttttgtcct gggtaactgt gattgttgca ggatcttgtg tagaaacaga 180  
 tcacaagaag atgaatgata actcgggtggt gcggctttga ttatcttcag agatttnaga 240  
 ttctgtatcc actctgttgc gatgggggtcg tttgcaggcg cttgtgagat tgtggaagag 300  
 aaggatgatg aagtaagatt gccaaaacat tccgggagat atggtaaadc gggtatggga 360



tactaagcct gccttacttc aaaacnttag agggaaattc ct

462

<210> 10299  
<211> 485  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-054-Q1-E1-D4  
  
<400> 10299

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ttgttaagac attgggactg gagcctggtc agtctgtgga tttaggaact atacacgctg 180  
gtgatttcat gagaagggtc tgctccaacc ttgcaatgtc taaccatgcg gtgaaagctg 240  
ctcaggaagc tgtgcaaaaa tctgaggaat ttgatataag gaggagtcct atatcaatag 300  
cagcagtagt catctatata ataaccagc tgtctgatga caagaagact ctcaaagata 360  
tatcgcatgc gacaggagta gcagaaggga caataaggaa ttcatacaaa gacttgtatc 420  
cacatctgtc aaagatagca ccaagttggt atgcaaaang gaagaagatt tgaaaaaacc 480  
tgtcn 485

<210> 10300  
<211> 420  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-054-Q1-E1-D6  
  
<400> 10300

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ctctagaaga aaagaaaggc caggaagtgg accttatggt gtgattgata acagaaacaa 180  
ggaaatttct aagtctcagg atgaccagag tgatgaaggg gatagcgatc cagatgaggt 240  
gcaggaacct ggaaatagcg attctccaaa ggaaaacgat actacaaaaa gcgaagcgga 300  
ttctgagcca gatagtaaag caccatctgc taatgggcac ttanagaaag catctgaagg 360

aggttctggg gctcgagctt gttcgacctt gtttatagcc aatctaaggc ctaaantgta 420

<210> 10301  
<211> 479  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-054-Q1-E1-E6  
  
<400> 10301

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctccgatcca 120  
cgtggtgtgg tcatgggtta ggagacaacc tccgaagggt aaggcttttc tcgccgtggg 180  
cactggcatg gcggcttttg ttcttctcag attcattgtt cagcatcacg acaatctctt 240  
cggtgcccgt gaggtgttcc attccatcgg gatctgtgtg ctcatctaca aactcatgaa 300  
ggagaagacc tgtgccggat tgtcactgaa atctcaggag cttacggcga tatttttagc 360  
tgtaggctg tattgttagca ttgtaatgga atatgatata cataccattc ttgacttggc 420  
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attggtgttt tcttttggtt tgtgtggtga tgatgagaag gcaacgagat gaacaacaat 180  
ctagggtttt ctacgatcta tcatctcttg ttttgaatct tctccgttct cctctatgc 240  
cgatttcttt acctgatcat ttccccgatc cgcccgtag aattcgctct ccttttctt 300  
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 cacaaggcta gggatcnaag gaagcggcga tcaactgatcg tatctcacta cgatcacatt 180  
 aanggataga atgtgtgggt tccgctcgac ggaagactat tcgganaaag cgacgttgat 240  
 gatgccgtcc gattatcact ctttgatttg ttcaagcacc ggagacaatc aaagactggt 300  
 tggatncgac gaactcncta ncgctttgtc ctcgaggttg cttccgcgta ttcgaaaaac 360  
 tgaggataat ttctctenta ntgtcancaa catccaaaat cgcttctcag cctttgtagc 420  
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 <211> 471  
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 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10304

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 tggattgttg atcgaagatt ggtttactga ttgatcgaaa gtatggagga agatcgtggg 180  
 gaagcgatcg ttttagatat ttcgccggag attaataata ctccggcggg aatgatgaga 240  
 gttccacgga ggattcgtga gaggcttttg tctgactgta gtaataagaa gacagtatct 300  
 tctgttcaag atattgaaga caagcttctt catgcccacg tacgaagaca gcaattttat 360  
 cataacgttt cgagaaaggc tcgtgctaaa cctagaagtc cttcacgacg atctgatgaa 420  
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<210> 10307  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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ggaattaatc acgtctcaca ttttttcacc atgtcgagtt tggaggagcc gctaagcttt  180
gacaagttgc caagtatgag cactatggat aggattcaga gattttcttc cggtgcttgt  240
cgccccaggg atgatgtcgg tatgggacac cgttggattg aaggaagaga ttgcactacc  300
tctaacagtt gcattgatga tgataaaagc tttgctaaag agtcattccc gtggagaagg  360
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gatgatgacg agaacagtga ttctgatgca tcacagcctt cagatgacga ggccgacgat  180
ggagacgcaa ctaggccaag caagaaagcg agaactccga agttgtatga agtgaaagat  240
gagcggcatg ccgcagctta tcacaaccgc acttcactgg ctaaagaaga tagtcttctt  300
atgggcgagc gtgtcaaggc tatagagaac cggcgtggca actttggagg ctcgaaagat  360
atcaaattcg gtcttgagg atcacgggga gttttctttc aaggcgaaga gggcatcaa  420
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ga                                                                    482
  
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<210> 10309  
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 <213> Arabidopsis thaliana  
  
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 ctagaatttg gattctgttt cagacaaaag tagatttccc tgtctctttc ccgtttgatt 180  
 ttcaataaga tgaatccgga ggagcaaaaag atggaatctg catcggatct gggcaagctc 240  
 ttcattggcg ggatttcatg ggacacagat gaagaacgac tgcaagagta ttttggcaag 300  
 gtatggagat ttggttgaag ctgtgatcat gagagaccgt actagcggac gtgcccgggtg 360  
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<210> 10310  
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 tggagacgca actaggccaa gcaagaaagc gagaactccg aagttgtatg aagtgaaga 180  
 tgagcggcat gccgcagctt atcacaaccg cacttactg gctaaagaag atagtcttcc 240  
 tatgggcgag cgtgtcaagg ctatagagaa ccggcgtggg caactttgga ggcgcgaaag 300  
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<210> 10311  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 10311

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 cctttcttct ctatgctcca ttgttcttat cttcaccagt tcctgaccct gaatctgtcg 180  
 ttgaagaagt tcacaagagc attaatgcgt cngttgcagg aagaaggaag ttaggttacc 240  
 tctcatgtan gaccggtaac ccaatcgacg actggtggcg ttgtgaanct canngggaag 300  
 caacaccgtc ancgtcncgc tgactgcgcc attgggnttc gcgcnaaaac gccatncgtg 360  
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<210> 10312  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-053-Q1-E2-H8

<400> 10312

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 cagaancagg gagccaggct aatagaaaga cgccgccgac gaacaaaaaa acgacgccgc 180  
 cggcgaatag gaaggctccg gctattgaga gtaaattggc ttgcacattg gaggagctct 240  
 acaaagggtgc aaagaagaag atgcgaattt ctgcggttgt tcctgatgat tttggaaang 300  
 ccaangacag tccaagagat attgaagata gacataaaac caggttggga agaaaggcac 360  
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 ttata 425

<210> 10313  
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<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-A10

<400> 10313

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tttttctctc tggcgtgaag gaanaagctt tatttcatgg agtctctgct ctcnangttc 180  
ttctcttggt tccgctgctg gtgggttttg ttggaagaan cagaatctaa agtccactc 240  
tttatcagaa atccgagttc tgcgttggtga ttcgagtaaa gttgtcncaa aaccgaagtt 300  
taggaacaat cttgttaagc ctgatgggtca aggatcttca ttgttggtgt atccaaaaca 360  
taagtcnaaa tttccnggtt aatgccactg cgggtcagcc ctgagggttt cgactcgaat 420  
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<210> 10314

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-A12

<400> 10314

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cgacggcact ttcgtccacc atcttggtcac taatgagatc actcccgccg aactgctgt 180  
ctctgaactc ctcgagggtc cgtcaagct cttcaccacc agatgtgtga ttgaggagtt 240  
ggagaaaactg ggtaaagatt ttgcggaatc tctcgaagct gccagacgc ttaatacagc 300  
aacatgtgag cagcaggagg caaaaacagc agacgagtgt ttgtcagagg taatanggg 360  
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<210> 10315

<211> 494

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-A5

<400> 10315

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cgnccacgcg tccgaaagaa gacgacgttc ccggcgctga ctcaactctt tectcaactg 120

gatttntnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180

nnnnnnnnnn nnttttttcc gatctaggta atccggattc cgatccgtta ccgacgccgg 240

agattgatga gaaagacgtt gtggttatca aggagcgtaa cttcactgat gtgattgaga 300

ataatcaata cgtttttggtt ganttttatg ctccgtggtg tggtcattgt caagtctctt 360

gctcctgagt atgctgctgc tgccacggag cttaaggaan atggtgttgt tttggctaag 420

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<210> 10316

<211> 401

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-A8

<400> 10316

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tatcgccgac gacgacgacg acgagtcagg actcaatctt cttccagccg ttgttgaccc 180

tcgtgtttca cgagggtttg agtttgacca tcttaatcct tatggctttc tcagcgagtc 240

agagcctccg gttctcggtc cgacgacggt ggatccattc cggaacaata cacctgnagt 300

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<210> 10317

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-054-Q1-E1-B11







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atcaaaacca ctttgctctc aagatggctt ctttgattac ctcaactttg tttctgttct 180  
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agtctaagct tatgcattat gttgctactt tgagggaaca gttggaacaa ctctcggaag 360  
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ctaccggggg agatcattga tttcatccat gcttctactg ctaattatgg gaaagtgaag 180  
ttggtattga agaaaaatcg gtattttatt gaatcacatc tcccggaggt gttgaaaagg 240  
cttctcagtg atgatgtcat aaatcganca agatttactt ctgagccata ttatgggtgt 300  
gatggattta cgatcggcaa aacaagtggg gaacttgang caggacctgg ggagttgttg 360  
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ttattgctga tgttcagtat gctgatattt ctgatggccg ctctttttta ggtgttccta 180

ggtattacag aaacagcatc cttgtccttc aaagagctgt tgaaacttgg aaccaacatg 240  
 gtaacctcaa atttggttatt aacatgggtg acattgttga tggcttttgt cccaaagatc 300  
 aatccttggc tgccactaag aaactagtcc atgaattcga gaaattcaac ggtcctgtgt 360  
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 cgacgtacct cgccggtgga taatgcctga ccgtaatctc tctttcaagg atttcaaata 180  
 tcttcttcat cgccgtaaaa aagccctttc tegtctcccc cttaacccta atttgaacct 240  
 tagcgtcaag actgagttgg ttactgatca ggagaatcca attcttccat ctgaagcgaa 300  
 cggttcttct gggaangcag aagctatttg aggtaaagag agaggagatt tgtgggaatc 360  
 gnggttaagg gagatgagaa caacgacaag aggttttgaa ggagctcgat cagacggtgg 420  
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 atgaagtatt cattggagat attagagata ctgcatcaat tgctcctgct gttgaangga 180

ttgatgcttt ggtcattctt actagcgctg ttccgcaaga tgaagcccgg ttttgatcct 240  
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<210> 10326  
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 ctcatcgtct ttgaattttt cgagtggnaa tgcaganaga cttataanat cattcaatct 180  
 aatgcctaag tatgacgtta atgtcatccc aaaaggaagc cttgatgctc caacgactca 240  
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<210> 10327  
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 <213> Arabidopsis thaliana  
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 cttcaagaga agagattcct gatttgctta ngcttgatga cgttatcgat cttgtgatcc 300  
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gga                                                                 423
  
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<210> 10331  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
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atatttggtg gactattttg atataactat tattgcagat ctgtggntct taacacntct   180
ctaatacnta taatgacnan gatctangca tgagaaggaa nagataagaa gctcatgaca   240
agaatctgaa gaaaattaaa tttgtttttc acttatcncc gccantgttg ttctacactg   300
agcttagaca gttgacaccg tgtnanccaa aattcaaaag tttancantg gaaacatact   360
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aagagggtga agttgtagag aacagttgtg atgatctang ggtccttatt atgcancttc   180
nggttganaa tatcaaccgg cctgccccaa gtatcacaca tttgcntctg aagtttgatc   240
ttgatgcccc tgtggaaacg gacagttttg cagccgaagt ttcactacag ttgtcgngna   300
ggtcattctt gaaatgctgg agaagcttcc aaaccctgat ataaaacttct tactctttga   360
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 <211> 378  
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 <213> Arabidopsis thaliana  
  
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gatttcattc naggatggca tttggctcca acaacttatg gagattatcc acaatcgatg   180
aangatngtg tcggtcatan attgccaaaa ttcacagaan ctgagaagaa nttgctaaag   240
ggttctacag attacgtagg aatganttac tanacttcag tgtttgcaan angaaattaa   300
ncctgatcct aagagtccga nttggacgac tgattctctt gttgattggg atagcaagga   360
gtgtggatgg gatacang                                     378
  
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<210> 10334

<211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-053-Q1-E2-E8  
  
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 nnnnnnnnnn ttaagattgt gattaagtgg ttcactatat ttaagttact ttgaggagct 120  
 actaatcatg ggatcatcact catgctgcan ccagcaaaag gtgaagagag ggcttttggtc 180  
 accggaagaa gatnagaagc ttattanata tatcacanct catggctatg gatgttggag 240  
 tgaagtccct gaaaaagcag ggcttcaaag atgtggaaaa anttgtacat tgcgatggat 300  
 aaactatctt cgacctgata tcagnagagg aaggttctct ccataagaag agaaattgat 360  
 cataagcctt canggagttg tgggaaacat gtgggctcat atngc 405

<210> 10335  
 <211> 392  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10335  
  
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 tggatgcgaa acggagatta ctctccgtct aggttacagg cgcaaacgga agctgttaat 180  
 cttcttttgcg gagccaaaac ccagtcgaat ccggagaana cgggtggggat tttgacaatg 240  
 gctgngcaaa ggagtttagag tattgactac ncctanctct gatctnggca aaattctggc 300  
 ctgtaggcac gggcttgatg tgggaggaga agatcanctt aanngcagct atccagatcg 360  
 ncccaactag tctcttaagc atcgccaang ac 392

<210> 10336  
 <211> 379  
 <212> DNA  
 <213> Arabidopsis thaliana





tgccccnaaa agtccgaaat tcccgggtng ncccacgcgt ccgctantag tgtatatggt 60  
 tctccaggaa gcacacctct tcatttagca gctagaagtg gatctataga ttgtgtcaga 120  
 aagttgcttg cttgggggtgc tgatcgctct caacgagacg cttctgggag aataccttat 180  
 gtggttgcca tgaagcataa gcatggagca tgtggagcct tacttaatcc gtccctctgca 240  
 gagccacttg tttggccatc accattaaag ttcatcagt agcttaatga cgaggcgaaa 300  
 cttctcttag agcaggcttt aatgggaggg taacagggag agagagaaaa ccatacctcaa 360  
 aggaacagct tattccttac catcaccttc tttctctgac acggatgata acatgtccga 420  
 ggtgagtgat acgggaactg tgnctgcatt tgcctttgag caagtatgta caattgangt 480  
 tgagngactg tggtcacca 499

<210> 10339  
 <211> 420  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-052-Q1-E2-B9  
 <400> 10339

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 gaacattggc ctgatgctcc agaaattcaa cgatcagttg atttatatga agatctgatt 120  
 agatgctgtg ttgcagatgc tatgagttag gtgcgggcaa ctgctagaat gtgctacaga 180  
 atgtttgcaa aaacttggcc ggatcgcttct cgccggttgt tttcgctcct tgaccctgtc 240  
 attcaaaggc taataaatga agaagatggt ggaattcata ggagacacgc ctcaccatct 300  
 gtccgtgaga gacattccca gccttcattt tctcagacgt ctgctccttc taacctacct 360  
 ggctatggaa catcagctat aagtcgctat ggatagaagt tcaaatttat catccgggag 420

<210> 10340  
 <211> 465  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E2-C1  
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tcttcgcaga agtctgctga gtctgcaccc ctactacc agctctacag ttgggaaat 180  
tttgagccag taggtggtat gctacctcag ccagaatgga cggcatggga ccaaacagtt 240  
gaatactgtg cttttgctta tcancaatac atgggtcatat cgtccttgcg ccctcagtat 300  
agatatacctt ggngatgttg ccattgcaca tgcnnngga gctgtttggc atcgcanaca 360  
gctgttttgt ggntacacca accacnantt gaatgtgntt ttggggganc gggagtttcc 420  
canattngat acagacnacc nggaaggatc gaaaggaaga aatng 465

<210> 10341  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E2-C3  
<400> 10341

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ccaagttgct ttagccgtaa tcgtcgtcgt cctcttccc gatattatct cttctctggt 120  
cttcgatttc gaaaccctaa cctcctctcn ttaattcgcg ttttctggat cgaagatggt 180  
ggcggctggt aaatccgacc tttccttgcc caaaactttc gcctgcagtg ccttcgctgc 240  
ttgcntcggg gaggtatgca caattccatt ggacactgct aaagttaggc ttcagctcca 300  
aaagtctgcn cttgctngtg atgttactct gcctaaatat cnaggattgt tgggaactgt 360  
tggtancata ccaaggggaa taagggttac gttcacnang gaaagggtgt gtacctggaa 420  
ttncatcgtc aatgccaan ttggagggtc ntaangattg ggnatgtatg agccggtnaa 480  
aaacttg 487

<210> 10342  
<211> 482  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E2-C4

<400> 10342

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gcatgttctc ctccactccg ccgcactcgt cgtgccgggtt ttcgaacaag ctgctcgatc 120

ttcgcgaaatc cagcacagcg agccaagagg aagctgcttg agctgatctc cgaggaggat 180

cgagggtctga gaaccagaa agacccaag aagcgagatg aaatcgtgaa cgccatcgaa 240

tccatgacgg ttatcnggc gcatctccat caccacagac gactctctat ctgccacgt 300

gcggctcttg tggacgaccg agaangaaca gttgttcac ataggaaaaa ggnaggcttg 360

tttgggacga ccgccggaga cntttttgca ngttatngat gtgaataana cggattctcn 420

ataacgtcgt cnactttcnc gccngacggg gttttcttcg gtacgctccg aatataaat 480

at 482

<210> 10343

<211> 418

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-C9

<400> 10343

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnccgct ggacgtcgaa 120

acaacctgcc tcgtccaaac ctgagaagac gatgtaaggt caccgcttca cgggctaata 180

ttgaacaaga aggtaacaca gtgaaagaac ccattcagaa tattaagta aaggatata 240

taacggccca agaagagttt ctggagggca taacttggtc gagagggtctc gatgacattg 300

ctgatatccg cggcagatca ttgctcgctc agcttattag cgccaagact gaccagcgga 360

ttacggtaga agactacgca caacgtgtat gggccgaagc ccctgatgag aagtacga 418

<210> 10344

<211> 468

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-D6

<400> 10344

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natgaaatth ggactcaact cgcttgcagt tagagtagaa ggatttgatt gcttgaaccg 180

tgaccgtcaa aactcgagca tccctgccat ggcttagtag acaaacaaca tannaacaag 240

tgtacataga gattccggaa tcgttcgttc gncaatgcct aacagaggag gatttgatta 300

ctactgctgc aagctattac tactaccatt tttgaaagta nngaatatgt ttttgttttt 360

catcttcncc taaggagaga gagagaggga agaggaacgg aggaagatga aagatcagtt 420

accgtngccg gtcacggttt aactgtttta ttcacggtta nggtgtttg 468

<210> 10345

<211> 394

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-E11

<400> 10345

cgacatcaac gtctgacttc gtttctcttc tcacatggct ctacctaac aacaaaccgt 60

agattatcct agcttcaagc tcgtcatcgt tggatgatga ggcacaggga aaacgacctt 120

tgtgaagaga catcttactg gggagtttga gaagaagtat gaacctacta ttggtgtgga 180

ggttcatcct ttggatttct tcacaaactg cggaagatc cgtttttact gctgggatac 240

tgctggacaa gagaaatttg gtggccntan ggatggatac tacatccatg gtcaatgttg 300

cgataataaa tgtttggcnt cacagcaang gncagatac annaatgttc cggacatggg 360

cgatcctnga tctttgccgg ggtgttgtga aana 394

<210> 10346

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E2-E12

<400> 10346

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taacccaatt ctgtggtgct tgaagaaagc agaatcaaat ccatgtcntt cangaggact 120  
tagcaggcca aatgcaatat ctggaatggg tgttgcatg gagagcaaaa ccacatttct 180  
agagcttcaa aggaaaaaaaaa ctcacgcta tgtggtcntc aagattgatg aatccanana 240  
agaanttgtt gttgagaaaa ctggaaancc tacagagaag ctacgatgat ttcttagctt 300  
cacttctga taatgactgc aganacgng tttangacgt tgatttcgtn acntctgaan 360  
aagtggcana agagcnnaat ccnctcntt gcctggntcn ccttcgacct cngggaaatc 420

<210> 10347  
<211> 512  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E2-E3  
<400> 10347

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aattgattgt tgctgggtgc aagtgttat gctagattgt atgactatgc ccgcatcaga 120  
aaggctctga acaagcaaaa agctgtaatg ctaagcagat atggcacaca tcaagtgggt 180  
tggttgctgc naatgtaatc ccttcaccgt tcgactatgc tgatgttgta accaccacaa 240  
ctcacaagtc acttcgtgga ccccgaggag ccatnatttt cntcaciaag ggtgttaagg 300  
aaattaacna agcaaggga anangttttg taccattttg aagatccnga tccanccaaa 360  
ctgtcntccc tggcttcaa ngtgggtccac acaaccncac tatcacanga ctactgttg 420  
cnttnaaaca nggcaactac ttcangagtt caaaagcata ccncngaaca agntcctgng 480  
taacantngc aaagttttgc tcagactccn aa 512

<210> 10348  
<211> 469  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E2-E6  
<400> 10348

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gaccgggttta atgcccataa aagctaaaga aggtggtagg ggaaccacgg acgcgtattg 120  
tgtggcaaaag tatgggcaga aatggatcag aactcggaca attattgaca gctttacccc 180  
aagatggaac gagcaatata cttgggaggt ttttgatccg tgtactgtag ttacagttgg 240  
tgtgttcgat aactgccatc tacacgggtg tgacaaaaac aacggaggag gaaaagattc 300  
aagaattgga aaggtgagga taaggctctc tactctcgag gctgatcgag tctacacaca 360  
ttcatatcct cttttggtgc tacatcctan tggagtcaag aacatnggan aagattcact 420  
tagcngtnag gttacttgct ccttcattgc ctcaacatga tgttatatn 469

<210> 10349  
<211> 514  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E2-E7  
<400> 10349

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnacc gtcgtcaaca actgtccctt cactgtctgg 180  
ccagccattc aacccaacgc cggccacccc gtcctagaga aaggtggctt cgctctccca 240  
actttcactc ancgtcctt caacgttcca accacacact ggtccggtcg catctggggc 300  
agaacntggt gtgcccacta caacggaaaa ttctnctgcc tcaccggaga ctgcggaaac 360  
cgcttgaat gnaacggtct cggcggggca ccacnaagct tctctagctc agttcgacct 420  
cnaccacggt ggtcaggacg acntcnctc gtanggtggt ctctctcggt gaangttana 480  
atgtnccgac ggacggtgga ctctnaggg aagg 514

<210> 10350  
<211> 416  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E2-B11

<400> 10350

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aacactatta gctctcaaac tacctgacca ttctagtcac ttaacctatt acgctctctt 120

ctcgatgttc cctcttcttt gccgtgacaa actcttgatc ccttacttaa cactatcttt 180

tctcttcacc gtcactatc attcaccggg gaatcaccat gcgatacaga aaaccgacgt 240

ttcatTTTTT tcttttaaaa acttcccggt ttatgttttc ttactacgaa cccatttctt 300

catctccgta gttcttcatg tctctatct taccattaaa cctcctcaga agtacccttt 360

cctattcgaa ngcactgatn atgaatctct gtttctcata cttantaatg gttggc 416

<210> 10351

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-E4

<400> 10351

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tgatagcttc aaagctatgt tccgtcgatt cctctgtgta tgaccacac aaaaccctga 120

agcagcggtt cgagaagtgg cttaaaaccc acagcaatan atggaggaan ggatnagtgg 180

atgctacggt ttgggatata tcagtctaac gtccagttga ttgactacat caactcnctc 240

catttgccct ttaagctaac ggataataga tttgcanata tgaccaattc tgagttaan 300

gcccattttc tcgggttgaa cacgtcttcc ttgaggttac acnaggangc agagaccagt 360

tttgnancc agcaggcaaa ggtcccgac gctgttgac ctggaagant caaggtgct 419

<210> 10352

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-F3

<400> 10352

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gttactcgcg ttgcttctgg tttcagccgt agctgacgat gtggttggtt tgactgacga 120  
tagcttcnaa aaggaagttg gtaaagataa aggagctctc gtcgagtttt acgctccctg 180  
gtgtgggtcac tgcaagaaac ttgctccaga gtatgaaaag ctaggggcaa ccttcaagaa 240  
ggctaagtcn gtgttgattg caaangttga ntgtgatgag caaaagagtg tctgtacta 300  
aatangngt ttagtnggnn tacccaacca nttcagtggg tttccnaaa aggatttnt 360  
tgannctcng angntntgaa ggggtcccac gccattgcng gaaagcttng gnetgaaaac 420  
cttaaacaag gga 433

<210> 10353  
<211> 447  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-F4  
<400> 10353

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atccaatect ctcaattctt ccttattccc tcaatttcac tctcactatc tgttgacttc 180  
acatggcttc caccgcccga actgcagctc tttcgatcat caaatccacc ggtggcgccg 240  
ccgttacacg ctctcccgcc gctctctttg gacacattcc ctccacatcn gtctccgcac 300  
gtcgcttgg nntctccggc cgctcgtngac tctcgtttct cgggtccangt ggcgtccaag 360  
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gagtgttggg gatntggaat tctggtg 447

<210> 10354  
<211> 441  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-F7  
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cgatcaaatc tcagtatcta tacaagcttc cgactttctcc ggaatttcta ttcacggaag 180  
agtctctcaa gcagcgtcga tcatggggag aaaatctcac tttctacaca gggacggggtt 240  
atctagccgg ctctgtagcc ggtgcttcag ctgggatent ctenggtatc angagtttcg 300  
aaaatggana cacgacgaag ctgaaaaatc nacaggattt tgaactcgtc tggtcaggca 360  
ggtccgactt ggggtaaata ngggtttggg attggtgggg ttgatctngc cagnggattg 420  
aaaactggtg tgggtggcng g 441

<210> 10355  
<211> 496  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-G2  
<400> 10355

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gtccgggggtt atggcctgag attgctcgag gatgtacgag aggggcaatt cctaattgaa 120  
tatgttgagg aggtgcttga tatgcaatcc tatgagactc gccaaaaaga atatgctttc 180  
aagggtcaga aacattttcta tttcatgaca ctaaattggga atgaggtaat agatgctggt 240  
gcaaagggaa acctanggcg tttcattaac catagctgtg aaccaaactg ccgtactgaa 300  
aagtggatgg tgaatggtga aatttgcggt ggaatattct ccatgcaaga ccttaagaag 360  
ggtcaagaat tgacatttga ctacaactan gtcanggggt tttgggtgcc ngccgccaaa 420  
aaagtgcgaa ntgttggtatc aancacattg gcacnanggt tatatttggn gggaanattc 480  
tcctgaaatn gtgaat 496

<210> 10356  
<211> 446  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-G4  
<400> 10356

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ctcaatcttt acatatatgg taaccaactc ttattccatt cctctgtaac tcacacaaat 120  
tcctgtccaa aaattagttt tttcttttca tgtgatgtga gaatttgggt tacgagaaag 180  
atgaanacta ttagtggatt aggtattggg ttaagtttaa tgtttgggtt tcttctatta 240  
gcacttggtg gagaagtcta ctatcttcna aagatgtaag aagcacaaga aggagagtca 300  
taagccaaga gagtgaagaa gaganagaag aagaacaaca acaaaacgga tacgctaaag 360  
aacnaatcca gctcttctgc ntcaaaaaaa ctcaatctnt gcagcaagac aaatgggagg 420  
aacgagaaag gtgaaagtcc ccantg 446

<210> 10357  
<211> 355  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-G5  
<400> 10357

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tgctgctgtc caaaagctca atactgagaa tggtttttct gatcaagcca tctcctttca 180  
ncctcttgat gtctccaacc cagacaccat cgcttctctt gctgcttttg tcaagaccg 240  
cttcggcaaa ctcgatatc tggttanaat gccggaattg gaggggcgaa tgtaaatggt 300  
gantgttcnc aaanctcaga ttggctgaan gctggtgcgc caaactgata ntcc 355

<210> 10358  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-G7  
<400> 10358

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tcttatgatc gtaaagctgt gatcatcaat ggacaaagaa gaatccttct ctccggttcc 180  
 attcactatc cacgaagcac ccctgagatg tggcctggcc taatacagaa agccaaagaa 240  
 ggaggcttgg atgttattga nacttatgtt ttttggaatg gccatgaacc ttctcctggg 300  
 acaatattat tttggagaca ngatatgttt ggtaaagttc atcaagttgg tgcaccaaag 360  
 ctggtcncta tgtaaacttc aagaattggc ccttatgttt gtgctgaatg gaantttggg 420  
 gggaanttcc cggtttggct ca 442

<210> 10359  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E1-G8

<400> 10359

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 caagtagttt tattcgatct gaatggcctg cggttgatat accatttgat catcatgttt 180  
 tcaaagtccc aaaaggatat aatgcaccac aacaagtaca cataactcaa ggtgattatg 240  
 atggtaaagc tgttatcatc tcttgggtta cacctgatga acctggttct agccaagtac 300  
 attacggtgc gggtcagggg gaaatatgag tttgttgctc aagggacnta ccatancnac 360  
 acntntttac aaagttaaaa gtcttgggct ttagtcatca ctgccttgct ncc 413

<210> 10360  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E1-G9

<400> 10360

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 ttctttcctt ctttccttct cctcttcttc ttatttaggt ctagagcttt ctctcagatt 120  
 atagtttttg tttcgattcc gtcaatctct gacccttttt ttggaggatt tgtagaaagt 180

664433 "The E. coli"

tgagtcttaa tctatttgca tttatgggtc ttcctattga gataacattt ctatggattg 240  
 cgatgtctat tantattcan ntttatgatt ctgatttgct ttagataaga naagggtttt 300  
 atgaaagtta ctatTTTTat ggtaaagttt ctanttttgc ttaagcagag atttcancnt 360  
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<210> 10361  
 <211> 403  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E1-H10  
 <400> 10361

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 tgttttcttct ctacaacgac tagagatgag ctcttctca atctcgttat ggagtatgta 120  
 ccagagacat tgtaccgggt tttgaagcac tatactagtt caaaccagcg gatgcctatc 180  
 ttctatgtca aactttanan atagcaaadc ttcagaggcn tggcttanat ccatactgct 240  
 cctggtgtct gccacagaga tgtgaaacca nanantcttt tggttgatcc cctcacccat 300  
 cactgtaagc tctgtgattt tgggaagtgc aaaagtactg gntgaaacgt gaagcnnaca 360  
 anatcatata gccgcncncg gtagttaccg aactccagaa cnc 403

<210> 10362  
 <211> 291  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E1-H3  
 <400> 10362

gtaccgcccc aaacattccc naggtcnacc cacgcgtccg natgtgtggg agagaggctg 60  
 agacatttct ggggattgat ggagatgaaa ggagataaag agagttttca gatgtaatta 120  
 annagaaaac agatcttttg gatttttaggg tttatatcca acaaaagcta accaaaaact 180  
 aataattcaa gattggtgct tcggaagaag acgcanaagt gtattttctt gcagttgcaa 240

aactgttacn aaatttttaa agttttccna aaaanaaaaa aaaanaaaag g 291

<210> 10363  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E2-A12  
 <400> 10363

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 attatccatg tgcattctac ttaggccgtc gtcctctcct tcactctgtt cttctctcaa 120  
 gctttttccga ttatcctctc cggattcttt aatcgacgca gctgtcctca ggaacaggac 180  
 aaagccgctg cagtcgtttc gaatggaggt cgtttcgagt aattccacgt gtctttcgag 240  
 tattancgtc ggtgaagatt ttccatcaga atatgaagca gtggctaccg gttccggatn 300  
 caganagcan gaagaanagc tgnngcgtttt gctacacnng acgtcntttc gtggtcctca 360  
 tggnatnggt natctcgga gaagaaggcc ttccgggnca nncnangtgg cnttcagtcg 420  
 aacggggttc tccgtttggg angg 444

<210> 10364  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E2-A8  
 <400> 10364

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 atgatctcga catcgaagaa gggactctgg agatcggcat ggagtatana actgtttctg 120  
 gtgttgctgg accattggtc attcttgaca aagtgaaggg tccaaagtac caggagattg 180  
 ttaatattcg cttagganat ggatcaacga gacgtgggtc ggttttggaa gttgatggcg 240  
 anaaagcagt tgtgcaggtt tttgaaggaa catctggaat tgacaacaag ttacaaccg 300  
 tgcaattcac aggagaggtt ttgaaaacac ctgtatcatt gngacatgct tgggcgcata 360  
 tttaacggtt caggaaagcc gatttgataa tggccctcct attctgcn 408

<210> 10365  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E1-E3

<400> 10365

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 actatgcccg catcagaaag gtctgtaaca agcaaaaagc tgtaatgcta gcagatatgg 120  
 cacacatcag tggtttggtt gctgctaata taatcccttc accgttcgac tatgctgatg 180  
 ttgtaaccac cacaactcac aagtcacttc gtgngacccc gtggagccat gattttcttc 240  
 agaaaggggtg ttaaggaaat taacaagcaa gggaaagagg ttttgtatga ttttgaaaga 300  
 cannatcaac caagctgtct tccctgntct tcaaggtggg ccacacannc acactatcac 360  
 anggactang ctgttncctt tggaaanaat gcaactact tcagaagta 409

<210> 10366  
 <211> 416  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E2-B10

<400> 10366

tctcgaactt cgccggagaa tgatggaaac agctctgctc cggtactgcy tcaacttttc 60  
 cggtcacaag aaaatctctg ctcacaaag aagtaatagt gagattccga aaacgagtcc 120  
 gggaggatgc gaagacgagt ggtgtgctag ggttttgagt agaagatcgg taatggcgctc 180  
 agggttggtc tctcgcacga cggttttagc atttccaagg gaaggattgg ctgtcggtta 240  
 acaaggtctt ctgcgtggga gagttcctgg tctgtccgaa cctgatgaag aangttggag 300  
 aacataccgt agaccaagac gaagaagtca gganggcatt gtgttggttg gagtcctatt 360  
 atcccttacg ctttttcggt tctcaagat tggaatgang tacctgtatc gatcgc 416

<210> 10367  
 <211> 473  
 <212> DNA



<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-A12

<400> 10369

agagtggagt ggagctttga attggatgat cattatccat gtcgattcta cttaggccgt 60  
cgtcctctcc ttcactctgt tcttctctca agcttttccg attancctct ccggattctt 120  
taatcgacgc agctgtcttc aggaacagga caaagccgtc gcagtcgttt cgaatggagg 180  
tcgtttcgag taattccacg tgtctttcta gtattagcgt cggatgaagat tttccatcag 240  
aatatgagca gtggctancg gttccggatc cagagagcag gagaagagct ggcgttttgc 300  
tacacccgac gtcgttttct ggtcctcatg ggnattgggtg atctcggaga anaaggcctt 360  
ccggt 365

<210> 10370  
<211> 434  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-A2

<400> 10370

tacgccccan aattcccaan gtcgacccan gcgtccgccc acgcgnccgc tttcttttctc 60  
agattaatcg ctgagaagaa gcaaccacct ggagacggcg gagatggcag ggtacagagt 120  
ggaagatgac tacgattacc tcttcaaagt tggtcttata ggcgattctg gagttggcaa 180  
atccaatctc ctttccatat tcaactaaaa cgagttcaat ctagagtcta aatccaccat 240  
tggcgtcgaa ttcgccactc gtaccttaaa agtcgatggn aaagtcgtta aagctcagat 300  
ttgggacact gctggtcagn gagangtacc gtgccatcac tagtgcatat taccctgga 360  
ncntgggtg caactcctag gtatangatg taactccncc cgtgnancat ttgnnatgt 420  
tcacggtgg gtta 434

<210> 10371  
<211> 430  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-A8



<400> 10371

gaaccgttcc caggagctgc tttgatttgg tttatcggtg atctgtgaaa atggggacga 60

atgatctcga catcgaagaa gggactctgg agatcggcac ggagtataga actgtttctg 120

gtgttgctgg accattgggtc attcttgaca aagtgaaggg tccaaagtac caggagattg 180

ttaatatctg cttaggagat ggatcaacga gacgtgggtc ggttttggaa gttgatggcg 240

agaaagcagt tgtgcaggtt tttgaaggaa catctggaat tgacancaag tttacaaccc 300

gtgcaattca caggagaagt tttgaaaaca cctgtatcat tggacatgcc ttgggccgca 360

tattttaacg ggttcaanga aaagccgaat tggataatng cccctccgaa ttctgccaag 420

angccataac 430

<210> 10372

<211> 474

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-B4

<400> 10372

gtaccgcccc aaaaattccc aaggtcnacc cacgcgtccg nannatcagt cccgatccgag 60

tgaagacaga ctctgaggag ctattgcagt tagatggaaa gagtatatct gagtgggtga 120

gtgaaataga tgcantttcc aaagaagtan aggcagagtt acgtctcacg agatatcggc 180

tgtcacttgg ttcaagttct tgaagctgta aatanagttc tcttcgatct ganaggcttc 240

aanaggacat ctaantactt tagacccgga gaattcctag cttcacnctg tacttaactg 300

tanatgcagc actgcgtttc tgattaagtg taaganacat tgaagtttgt aagcgctga 360

atgtaccaat tggttggatc tccagttggg gggaanatnt ttcnggantt ggcctaaaaan 420

cgggagtatc ctggagggaa ctctttaana ccaacttcaa ngacagagct tggt 474

<210> 10373

<211> 497

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-C2

<400> 10373

ctgttacgcc tgntgtacgc ccanaattc ccaaagtcga ccangcgtc cgaaaaaacc 60

ttgacgccgt tttcttcttc gatcttcttc ttctctcaga gaaaacaaca tggccatggc 120

aacaaggact ctaggctttg ttttgcttac gagcttatct tcccagcctt ctttcgaccg 180

tcgcggcggt ggatttaggg tttctgtcat ccgttgctcc acttctccac tcacttttcc 240

cacttctggt gttgtggaga aaccttggac ttctgtacaat gctaggcttg tgtagaaca 300

tggttctatc tggcctgcta agtcttttgg gtgctcctgg aaccctgatt gctgaantgg 360

gtgtttaaca cttccttgag agggatatcaa gaaattttaa ctgatccnag ttaggctggg 420

cagtttgtgc naatgacaaa gccananant gggtaatnac tggngtcaan nccctgaatg 480

aatngaagaa tccggggg 497

<210> 10374

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-C7

<400> 10374

cgataaaacc gaaacatcaa gcaaacaaaa aaaaaagaga agagaaatta tttttttttg 60

ttttcgtttt caaaaacaaa atctttgaat tttatggcaa cccgtcttct ccgaacaaac 120

tttatccggc gatcttaccg tttaaccgct tttagcccg tgggtcctcc caccgtgact 180

gcttccaccg ccgtcgtcnc ggagattctc tcctttggac aacaagcacc ggaaccacct 240

cttcaccacc caaaacccac cgagcaatct caccganggtc tcgatctcnc cgatcaagcc 300

cgtcttttct ccnctaance canagcncng gatctcccnc cgttccanng cccgtgtttg 360

catgcngggg cgataggtcc cnatnggtcg aaccttaggg gacgtggggg cagtgaagccc 420

cgaaantt 428

<210> 10375

<211> 414

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E1-C9

<400> 10375

aaaatatgta nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnccgct ggacgtcgaa 120  
 acaacctgcc tcgtccaaac ctcagaagac gatgtaaggt caccgcttca cgggctaata 180  
 ttgancaaga aggtaacaca gtgaaagaac ccattcagaa tattaaggt anagggatac 240  
 ataacggccc acgaagagtt tctggagggc atnacttgnn caagaggtct cgatngacat 300  
 tgcnganatc cggcggcagg attaattgct cnnengagct taattagcgc cnagaactga 360  
 ccaacggggag ttacgggnag aacgactacg ccancaaagg tggtangggc cgaa 414

<210> 10376  
 <211> 445  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E1-D6

<400> 10376

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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 natgaaattt ggactcaact cgctgcagt tagagtagaa ggatttgatt gcttgaaccg 180  
 tgaccgtcaa aactcgagca tccctgccat ggcttagtag acaaacaaca tagtgaacaa 240  
 gtgtacatag agattccgga atcgttcggt cgccaatgcc taacagagga ggatttgatt 300  
 actactgctg caactattac tactaccatt tttgaaaagt aaatgaatat gtttttgttt 360  
 ttcattcttct cctaangaga gagaagagag ggaacaggaa ggaggaagat gaagatcant 420  
 tancgtcgcc gggtcaccgg tttaa 445

<210> 10377  
 <211> 442  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-052-Q1-E1-D8

<400> 10377

acgcgtccnc ttcgttatat tccttgagat aacaacaaag catcgttctt cacctttacc 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tttataggat caatcgatca 120

aggaaccacc agcaccagat tcatcattta cgaccagat gctcgtcctg ttgcttctca 180

tcaagtcgag ttcactcagt tctatcccga agctggatgg gtggaacgat ntnatggaga 240

naccgggaaa gtgtgtgaat gtgcantnca naaaggctct cgacaaagcc actgccgatg 300

gacacaacgt cgacggtggc ttgaaggcca ttgggcttac agatcagagg agagactact 360

gttgtttga gcaaateccac tgggccttcc tctccacaaa ggctattgtc tgggatggat 420

gctcgtagca nctccatctt gc 442

<210> 10378

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-052-Q1-E1-D9

<400> 10378

aactgtttca cgccgccng taacgggtcca naaattcccg ggtcgacca cncgtccgnc 60

cacgcgtccg aagattttga tgtggttgat cttgacccat atggtgcgcc gtctattttc 120

cttgactcag ctgttcaatc agttgccgat ggtggtttgc tgatgtgtac agcaactgac 180

atggcagtgt tatgtggagc taanggcgag gtctgctatt ccaaataatg ctcttatcca 240

ctgaaagggg aatattgtca tgagatggct ttgaggatcc tcctcgccag catcgagagc 300

catgcaaadc gctacaagcg gtatattgtt cctgtntctat cggtcnaaat ggatttcnac 360

gttcgtgttt ttgtccgct ctacnctcn ngcgangtgc aatgaagaat acnccactaa 420

aagctcncat angtctacca attgcaattg ggntgtgatt cccattcaat cttcagtcgc 480

gtttggaaag atttcctc 498

<210> 10379

<211> 505

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-052-Q1-E1-E1

<400> 10379

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tctcccactg attcagcang ctctttgaac tactcttcga caatggccga acgtggtgga 120  
gaacgtggtg ttgagcgtgg tggagaacgt ggtgatttcg gacgaggatt cggaggccgt 180  
ggaggtcgtg gagatcgtgg agggcgtgga cgtggaggcc gtggtggtcg tcgtggangg 240  
cgtgccactg aanaagagaa atgggttcca gtgaccaanc ttggtcgtct cgtggcggct 300  
gggtcatatc aagcagatan agcagatcna tcttcantca ctcccggta aggagtacca 360  
gattcattga tatgctcatc ggtccaacna ttgaaangat naaggtaaatt tgaaanatca 420  
tgccgggttc aagaaancaa anccaanggc tgggtcaaac ggactagatt caagggcctt 480  
tggttgctgt ttggagangg taaat 505

<210> 10380

<211> 422

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-051-Q1-E1-G3

<400> 10380

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cgtatcagcg ggtagctctt gatcagcttc tgagaatcgc tgggattact gatgatgact 120  
tgttgttaat gtctgatgtc gatganattc caaanttaga cacacntta acccttttga 180  
agaatggtgc gatgagatnc ccgaagatac ttcattctgcg cctcaagaac tatctttact 240  
ccgtttgaat tccttggtga taacaaaagc tggaaaagct tccatccaca gatatgagac 300  
gggtaaagac acggtangct cattatcgac agtctgatgn aatcttggcn gatcaaggat 360  
ggcatnngta ncttttgcnt ccgacgaatn cagtgagttt anattcccag atgaaagcta 420  
ta 422

<210> 10381

<211> 429

<212> DNA



<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-E11

<400> 10383

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aagaaagggt tatgttggtc aaggtagtc cggtagtagt tatgtcaa atcgaaatga 180
gaaagatggg aaaagagaaa caagagacca tgggaaaatg acattgttag gaacagagga 240
gtttgaggtt gattcanatg attacatcac atcaattgaa gtttctgtcg acaaagtctt 300
tggttataac agcgaaatcg tctgtgctct tgtgttcaag actagtaagg gtacaacctc 360
accgcctttt ggaatggtga ctgagaagaa attcgaaactt aaagatggta acggaggaaa 420
acttgccgga ttccatggga aagctagtga tgttctttaa gctcttggtg cctantt 477

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<210> 10384

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-E2

<400> 10384

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ccctaaaagg atttggcata ttcgcttcca cctccactca agcttccgat gaagttttgc 180
ttgttggtcc gcttgatctg gccattaccc ctatgagagt tcttcaggac cctctcctgg 240
gccctgagtg tcagaaaatg ttcgaacaag gacaagttga tgaccgcttt ctcatgattc 300
tgttcctcac tttgggagcg tcttcgtatc aattcttctt ggaanccgta tctgatatg 360
cttcnaanc catttgggca aancctcctt ggggttt 397

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<210> 10385

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-049-Q1-E2-E5

<400> 10385

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tgcggtcaag tggccgtcta tttccctctc ttagcttaac tcattctcaag ggcaagctat 120  
ctctctccat caactcgttt tctccaaga ttcagtctca tgctctccga ggagttggta 180  
taggcgagtc agataagaaa aatccccctgc cgcgaggggc cggagaagga gtcaaggaag 240  
atgcgaggag taagctgctt catgtagttt tggctctctc tcagattcct gggaatacag 300  
gttgcaattgc aagaacatgt gctgcctcag ctgttggtct gcatttagtc gggccattan 360  
gttttcaagt ggatgacgcc aganttaanc naantggnt tggmataatg ggccctttgg 420  
tggtnttcaa accccaaacc c 441

<210> 10386  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-049-Q1-E2-E7

<400> 10386

ttatgaagct actggtctta aagggatgct tgtctatggc gtcgaacacg ccgatgacgc 60  
tgtatcttgt gatgataaca tgcaacaatt cattcgaacc attgaagctg ccaaattctt 120  
accaacatct cactttagct cagtgggtgt gaagataact gccatttgct caattagtct 180  
tctgaaacga gtgagcgatc tgctgcggtg ggaatacaaa agtccgaact tcaaactctc 240  
atggaagctc aaatcgtttc cggttttctc cgaatcgagt cctctctacc acacaaactc 300  
agaaccggaa ccgttaaccg cggaagaaga aagggaactc gaagcagctc atggaangga 360  
ttcaagaaat ctgtaagnaa tgcccaagan tccaatggtn caattgggtg nattgatggc 420  
gg 422

<210> 10387  
<211> 397  
<212> DNA  
<213> Arabidopsis thaliana



<223> unsure at all n locations  
<223> Clone ID: LIB24-049-Q1-E2-E8

<400> 10387

acgcgtccgg taaggctcgg aggaaaacct aattcgtccg gagaatctcc acctcactct 60  
cgccaaacgc atctctgttg tagcttgtga tggatccaac acagaacaca agtgcaggga 120  
ttggtgggag caatggtaca atcagatatc aaaccaatga tgggacttca actgtgaccg 180  
ttgctgatga ttcaaaggag aatctttccc aagtcataaa ctctattgag aaaactttag 240  
gagtccttca tcagttacac cttaccgtca cttctttcac acccgctct caactccatc 300  
tcctccagcg ccttaactct cttgtgatgg agctagataa catgactaaa gttgtctgag 360  
aaatgcaacn ttcaaattccc caaggagggt cctaanc 397

<210> 10388

<211> 421

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-F10

<400> 10388

acgcgtgggg cttttatgtt cttcggacgg aacaaaacaa cagtacgagt ggatttgtcg 60  
agaaacatgt ttaatttcga tctcgtcaag gttaagttcg ctagaagcat agtttcgttg 120  
gatctgagcc agaaccatat ctacgggaag ataccaccag cactgactaa actacacctc 180  
gagcatttca acgtgagcga caaccatctc tgcggaaaaa tccaagtgg cgggtctactt 240  
cagacctttg aaccatctgc cttcgctcac aacatctgtc tttgtggaac tccccttaag 300  
gcttgtaaat ttggtttaat cttggcggaa gaataaaaat aatgttgaat atgttatgat 360  
gatgtgttca ttatcaccgc caaaccaant ttattgtttc cttgttatga atttaaantt 420  
a 421

<210> 10389

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-F11

<400> 10389

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gtccaaaggt tgttcttgct tccatggcta gtctcgaagc cggttttgct cgagagatat 120

tcgtggagtg ggcaaagat cccagaaatt tagtcctctt tactgaaaca ggccagtttg 180

gcacttttagc ncgtatgctt cagtcagccc cacctccaaa atttgtaaa gtcaccatgt 240

ctaagagggt tcctttggct ggggaagagt taattgcata tgaggaagag caaaacanga 300

ctgaaaaggg aagaagcttt gcgagctagc ctcgtaaag aagaggaaac aaaagcttcc 360

catggatccg atgataattc aagtgaacct atgatcatag ataccaagac tactcacgat 420

gttantgggt ctc 433

<210> 10390

<211> 420

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-F4

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agcttcagat ccctctccat aagcagacct tatccaccaa tcgtgatctc ctctcgcca 180

aaactcccgc tgatctactc gccttcaccg acctcacgga cccaaacctc cccctctcct 240

ctctcaacct cggccatggc tctatgctet acctcgcta cgatggcgaa gcgtccatt 300

cctggagctc ctcccgttac tcctgccgga ttcttcggga ggaagatgac cgtcgatgaa 360

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<210> 10391

<211> 397

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-F8

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tggactagct gggaagtata ttaccagtag aggctggtaa accgctgggtg gtcccaaaga 180  
cggttgagca tttcaccggt ccacgcttc ttcgcaaca tgtttctcc cctgctttgc 240  
cagggaaagc aagattcngg taatcaatgc ttcctgctat tattaaagaa gacctggggg 300  
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<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<223> unsure at all n locations  
<223> Clone ID: LIB24-049-Q1-E2-G2  
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ccacctggtt gaccatcaag gaacagagaa gacagaaacc gcgattttcc accggtattc 240  
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cnggcaaang ctttancagn cacnggggaa attgcntggg gnttnatggc ttngaaggaa 420  
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<212> DNA  
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ctcgggtggtt acctctgata tatcgccagg aactgaactc ctactcgatc tctatcaaca 180  
atgccgtcct tgtagaactt tggatccaac tctctgattc cgtcaatttc cattaanac 240  
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ggagattgcy tcagtggctc agctgactgg tttagatgcy gtcaagttga ttggtctcat 360  
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<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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acagagcatg gaacctggcg ccgttttcag agactataat tgcaggatca gctcaattga 300  
ctttcacaaa acttcgactt gtatgggtgac agctagcgac gatgactcaa ttcgtctcta 360  
tgatgttgcc aacgccacat gtctgaagac aattaatagc aaaaagtatg gtgttgatcc 420  
tgtttgctc acntctcaac ctantaangt canccaaten tccaaaaacc gggntggaaa 480  
aaa 483

<210> 10398  
<211> 478  
<212> DNA  
<213> Arabidopsis thaliana  
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tttctgggtc gatgacggag atgatggaaa ttcaagctga gaatcccaca ttccatgtat 300  
tgtttattcc gggaaatcca ggagtgtgt cattttacaa ggactttttg gaatctttat 360  
acgagtttct tgggtggaaat gcttctgtaa ttgctattgg ggcaaataac tcacacgagc 420  
aaggactggg agtctgggaa gctattttca tttcaagaac aaattgatca taagattg 478

<210> 10399  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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 gttgaaggag ctgtaaatga aggatgtaga ggtccaagca tgtgggacgt atacaccaag 240  
 aaattcccac ataaatgtaa ttatcacaat gccgacgttg ctgtcgattt ctaccatcgt 300  
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<210> 10400  
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 <212> DNA  
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 ccataattaa ggttgcaaga gatgaagacc ttaaggaaca aattggggaa ggatatatat 420  
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<210> 10401  
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 <212> DNA  
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tgcagcttct gccgcggaaa tgagctccgg agaaggtagt ggtggcgggtg gtggctcagc 360
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<213> Arabidopsis thaliana

<223> unsure at all n locations
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tagaattcat ctttgccttt gtttatttgg gtgtttatct atcgcaggaa ttaggggttt 180
tggtctgctt cgatggatat ggatcaagag ataggtcaaa attctcctgg atttgatggt 240
gaatcagtag tgtcaatgag taatagaagc aaggagactg aaccagtccc gggtgagaat 300
gactattatc gggaaaacgg attcaacann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnncagaa gtccttcac tgatttgaat caactcccgg cgattccgcc aacttctant 420
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<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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 aagaatgcgg ccgaggaatc atagatncgg gattcgactg ccagacttan gggagacctg 360  
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<210> 10404  
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 cggttctcac ttccattca atccccgtcg tcaacctagc cgatccggaa gcgaaaaccc 240  
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 ccgaactcat gactcgggta gagcaggagg ctattgggtt cttcgggttg cctcagtctc 360  
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<210> 10405  
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<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-049-Q1-E2-D10  
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tgatatgaac agtcttgtga gaagaaaaca agttgattct gttcatctta tcaaaaacga 180  
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gacaacaatt ggagcaggag tgtatattct tgtgggaacg gtagctagag agcacacagg 300  
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<210> 10407  
<211> 479  
<212> DNA  
<213> Arabidopsis thaliana  
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<223> Clone ID: LIB24-049-Q1-E2-D11  
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caactagcta acaatgggat aactgtgggt ttaactgcga gagatgaaaa caaggggtctt 180  
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<212> DNA  
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gtcaattctc gcttcaactcc ctcaatataa tgcgatttct caaccggaat atctgaatct 120  
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taaataattc cactgacgat ggtccacaac atgacattgc tattgttggg ggtggaatgg 180

ttggaatcgc tttanctgct tcattggcca gcaagccatt gacaaagcac ttgaatgtcg 240

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agaccctcaa tcagctccta actgagatgg atggttttga aggtaacact ggtgttatcg 240

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ttgaccggca ggtaagtgtt gacgttcctg acgttaaggg gagaacagat attctcaagg 360

ttcatgccgg caataagaag ttcgacaatg atgtttcact tgaaataata gcaatgagaa 420

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<211> 454

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-049-Q1-E2-A6



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 caggagagggc acagagatcg tgggcatgta cgtgaggcat ccgatggcta cctccacgct 240  
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 ttagcancca tctcaagggtt aatcttangg gatacgatta ctccgggtat ggacaatcta 360  
 ctggaaagcc gagtnangcc tnacangtta tgcctganat cnaagntggt ttaaaaagtn 420  
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 <212> DNA  
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 gtctactatt tgttcctttt ggatattctt cggacttttc gttgatttga ttttcaagag 180  
 agagagtttg aacaaggaag gattgaacta tggaagatgc atcagagact agctactggt 240  
 gtcacatgtg ctcccgatcg gtgattccat tgattcaaga cgaaatcatc aaatgcaatt 300  
 tctgtcaaag tggttttggt gaagaaatgg ataataatga tgaccatcag gctgctgatt 360  
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 <211> 459  
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<400> 10421

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cggccgatat ccgactttgt gaaccaaag attgttgtgg tgggagctgg aagtgtctgg 180  
cttgggtgtaa ctaagatggc agtacaggca gttgccaaaa tggcaggtat caccgagagt 240  
gaagcaacaa aaaactttta cctgatagat aaagatggtc ttgtcaccac ggagaggaca 300  
aaacttgacc caggagctgt actttttgcc aaaaatccag ctgagatacg ccagggagca 360  
agtatcnttg aagtggtgaa aaagtnaggc cacatgttcc tcttgntta acctggaatt 420  
tgggtgggaa cctttaatgg aaaaatttcc caaaggnga 459

<210> 10422  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-049-Q1-E2-B10

<400> 10422

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tcagttggcg aagcacgtgt atggaagctt caaaagtagc tgcaactgcg agtacagaaa 180  
agctagagct agtgagaagc ttangtgctg atttagctat tgattacann anggagaata 240  
naggaagact tgcctgacna gtacgatgtt gtctttgacg ccattgggat gtgtgataaa 300  
ngcngtnaac gtgattangg gaaggacgga aagttgtggc attgactgga gctgtcacgc 360  
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<210> 10423  
<211> 215  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-049-Q1-E2-B12

<400> 10423

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 nnnnnnnnnn cttcaagaag atgaaggaat tcaaacccta acatgacttt tgccttgcg 420  
 tcaatcatct ctcaaaacaa ggctgagcca gaanaggng aattaggaag aagganaaag 480  
 gggt 484

<210> 10426  
 <211> 401  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-049-Q1-E1-G12  
 <400> 10426

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 aagtgattag caaaacgagt ttgttcttag gagcttggtg taatcatcac cgtgttgatg 180  
 atttcncttt ctctccggtg agttttggtg ggtttggttt gaaaaagagt ttctcttgtc 240  
 ggaagcttaa gagtcatgaa gcctctnaga aatgtncctt acggaaaaca natcgttttc 300  
 ggagattctc aagacgagna gcttcangan gatnatcanc tatcacagct cagacaactt 360  
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<210> 10427  
 <211> 174  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 10427

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 ttaatgcata atatattctg gttgtcnnnn nnnnnnnnnn nnnnnnnnnn nngg 174

<210> 10428  
 <211> 407

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 agtccaatta ccatggaacg tgatgattcc agctgaaaac atggatgcca aagggctgat 180  
 gttgaanaga gctatactag tagagttact aagaggcggt tgcttccaan gaaagcaacc 240  
 aaggagcttg gctactacgt ggcagtcaca actttggaca agattggaga aggcaaaatc 300  
 agggagcaca ccggtgaagt tttgttcccg gtaatgttca ncgggaatga ctttcaagat 360  
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<210> 10429  
 <211> 488  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-048-Q1-E1-G8  
  
 <400> 10429  
  
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 atccccgttt ccgttctcaa gaaatgcgta taagactgag taatggcgaa ccagaaaagc 180  
 cactagtgat tcatgtaggt cgcattggcg tagaaaagag tttggagctt ttaaagagtg 240  
 taatggacaa attacctgaa gctcggattg ctttcattgg agatggacca tacaagagg 300  
 atcttgagaa gttgtttacc ggaatgccag cggttttcac tggaacgtta caaggcgatg 360  
 aactctcaca agcttaccaa gtggagatgt gtttgtgatg ccatcagagt cggagacact 420  
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 ccngtgga 488

<210> 10430  
 <211> 380

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-048-Q1-E1-H3  
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 caattgtgat ccgtcagcaa tgcttgatct ttaaatttac tgatatctga agatcgaatt 180  
 anggttctga tctacttgat atttatttgt ttgggctttt attcagcagc tcgatcttgg 240  
 gctgaagcta tggctcagag taattgggaa gctgacaaga tgcttgatgt ttacatatat 300  
 gagntatttg gtgaagaaga aacttcatan tactgctaan gtcgtttatg actgaaaggg 360  
 aaaggtttct cctgaatcca 380

<210> 10431  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-048-Q1-E1-H6  
 <400> 10431  
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 gtctctgctt tgtcggtagc tacaggagtg aagagagttt ctacaagggt tttaatggaa 180  
 gatgatgact ctcttcttct tcgggatttg gatgcacaga acccttatga tcgattgctt 240  
 gctctagata caagtaccgt agatccaaat tgtaacttgg attcgggttct tgccatttat 300  
 ctaacgatga angagntcta agctgggatg tgtttgacga gcgtgggtca anattccctt 360  
 aatacttcgg tatngcatng gagggatgaa ganggattaa ngaagctcga tgaagttgat 420  
 cctn 424

<210> 10432  
 <211> 507  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-048-Q1-E2-A1

<400> 10432

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ctcttccgtc gttggaccgg cctttccagt aaccgcgggt ggatctgtga aggagccgag 180  
gtatagagggc gttaggaaga gaccttgggg tcgattcgca gctgagatcc gtgatccatt 240  
aaaaaaatct cgtgtctggc tcggtacttt cgattccgcc gtagatgctg cacgcgctta 300  
cgataccgcc gcacgtaacc tccgtgggtcc aaaggccang accaatttcc cgatcgattg 360  
ttctctctcn tctctctcn aacctctcac ctacctccac aatcaaaaacc tctgttctcc 420  
tccggtgant caagaaccag atcgatccgt ttaatggacc atcggttata cggcggagggt 480  
aatttccaag gagcaaccag caagcca 507

<210> 10433  
<211> 502  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-048-Q1-E2-A4

<400> 10433

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accaacccaa tcaacgaagt ttggcttctc gtcttcttca catagatata cattactcta 180  
ctcgtgtaaa tctcaccgct ccaatctcag attcgcttct cctccttctt cagtttcgac 240  
agctacagaa actggagaag aaaactctaa atcgaccggg aattacgcgt ttctaagagg 300  
aatcgtttcg taccgggagg tttttgaagt aacgatgagt taagagaagc ttaaaactct 360  
tgaaggattt gcgtattttc aagagcttga atctggatcg atgtgggttc gagttatgag 420  
acatgaagag atggattcaa cgggtgcatt attggctgaa gtcatttggt gaatcgatgt 480  
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<210> 10434  
 <211> 488  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-048-Q1-E2-A5

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 agaggggtct gttacgagcg gcaagttatg gacaagcttt ctgcagcaat tttcagcgtg 180  
 aacgtgtcca agagacttgt agaacgttac gggtttttaa tgcggttcgt gatcctgcta 240  
 ttggcatacc tottagcatt cagcagtaca agttactgac accagtgggt ttgattagtc 300  
 gccttattaa tgctaattgt caccttcttg ctctgcggat atctgaagta cttagatatg 360  
 aataaagaag tgggtgataat gcattgggca tgtgcaaaga taactgcttc accatcaact 420  
 ccaaattctc atcttcttga aattttacnt gataagctcc aaactatgca aaaggaatat 480  
 cgtatgcn 488

<210> 10435  
 <211> 502  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-048-Q1-E2-A6

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 ctgatgtggc cacctcaata gcaacatgct taaatgtcct attggggaca ccgtctgaca 180  
 ctgagagtgt atacgatgaa aagattaagt ggacctgggt ggaaacgttc atttccaaga 240  
 ggtttgggtg ggattggaag catgaaggct gccaggaact gagaaaattt tccattctta 300  
 gaggactgtc acacaagggt ggactggagc ttgttcctaa agactatgag atggacacgt 360  
 cttatccttt taagaagttt gatattatca gtatgggtcc tgtgtataag cacgtagcat 420  
 gttcatccgc agatgggcgc actttgttgg gaatcatcca aaacctcctt anataaaggc 480



aaactggang atgctgtcaa tt

502

<210> 10436  
<211> 509  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-048-Q1-E2-B3  
  
<400> 10436

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tgatgtgatt gtccttggga ctggtcttaa ggagtgtatc cttagtggcc tcctctctgt 180  
cgatggcctc aagggtactac atatggatag aaacgactac tatggaggag aatcatcctc 240  
tcttaacctc actcagctat ggaagcggtt taggggaagt gacactcctg aagaaaatct 300  
tgagagcaagc agagaataca atgtcgatat gatcccaaag tttataatgg gctaattggac 360  
tcctttgttc aaaacccta atccaanacc cgatgttacc aaactatctt aactttaagg 420  
gcgtttgatg gggagctttg tccaccagaa aaagcaacga tntaacaagn tccaagccac 480  
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<210> 10437  
<211> 503  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 10437

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atcatctccg ttaaacccta gcgattggaa tacggatata ctccaaatgg ctttcttaag 180  
taaagttgga aggttattca gtcagaccag cagccatgtc actgcctcta gtcgatgct 240  
acagagcatc cgttgcatgt cttcatcaaa aatctttgtt ggaggtatct cctacagcac 300  
tgatgagttt ggcttaagag aagcttttag caaatatgga gaagttgttg atgattattg 360

tggaccgtga aacaggcaag atctaggggc ttgcttttcg taacatttac ttcgactgag 420  
gaggctagta atgccatgca attggatgga caggaccttc atggtcgaag aattanggtg 480  
aattatgcaa ctgaaagagg aag 503

<210> 10438  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-048-Q1-E2-B6  
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ggttttacia tatctatccc cttaaagtttc ggaaaattct gtttttctgt tctcattctt 180  
cgtgatcttt ttcactttct tcaaaaaaaaa aacatgtgtg gaatacttgc cgtgttagga 240  
tgttccgatg attctcaggc caagagagtt cgtgttcttg agctttctcg cagattgagg 300  
cacagaggac ctgactggag tggcttatat caagaacgga gataattact tggcccatca 360  
acgtcttgcc gtcacgacac ctgcttccgg tgatcaacct cttttcaacg aggacaagac 420  
cattgttgtc acggtgaacg gagagattta taaccatgag gagctgagaa aacgtctgaa 480  
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<210> 10439  
<211> 428  
<212> DNA  
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<223> unsure at all n locations  
<223> Clone ID: LIB24-048-Q1-E2-C1  
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aggaaggaat cccaccggac caacagcgat tgattttcgc cggaaagcag ctcgaagacg 180  
gacgtacctt agccgattac aacatccaga aggaatcaac gcttcacctt gtccttcntc 240

tccgtggagg tgctaagaaa naagaagaag aagacctaca ccaaagccta agaagatcaa 300  
 ncacaaagca cangaaagtc aaactcgctg ttcttcaant ctacaangtt gattgttcan 360  
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 tcatggng 428

<210> 10440  
 <211> 433  
 <212> DNA  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB24-048-Q1-E2-C2  
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 gattttccca agttagtttc tgtaagtaa ctctgggata agtttgagga ttcaagaata 180  
 gtaaacctat tagccctgtc tttgctcttg aagcaacttc ctccaaggag ggttgtttgc 240  
 aaagctgctg ctggtgtgtc aggtgactta cctgagaagt actcctaagg aacttagtca 300  
 gtatgaagaa gattattgag cttttgacaa ccctttttcc actttgggtt aatttgggaa 360  
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 ctangtcctg gat 433

<210> 10441  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 tcaactgtgga gcagcgatct acctacaggg cattccttgc aagctccgaa gtagaacacg 180  
 atttttgatg gcaacaggaa ttcgctttat gggattgatg tgatgcgtaa cgatatgcaa 240

ccaccctgat ctacttgaga gagaacattc tcaccaagaa cccagattat ggnaacccan 300  
 gaacgcagtg ggaaaagatga aggttggtgc ngaangtgct caaggtctgg gaaacagnan 360  
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<210> 10442  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 agcgttgagc ctgctcctaa agatccgac ctcggagtta ccgaagcttt tctcgtctgat 180  
 cctagtctcg aaaaagttaa tggttggtgtg ggagcatatc gtgatgataa tgggaagcct 240  
 gttgtcttgg aatgtgtcag agaagctgag aaaaggcttg ctgggagcac tttcatggag 300  
 taccttctta tgggaggaag tgccaaaatg gtggacctaa cattgaagct tgcctatggg 360  
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<210> 10443  
 <211> 370  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-048-Q1-E1-A11  
 <400> 10443

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 tgtcgangat ttatcnataa agtcaatgat cngggtttga tcaaagtctc aatctttctc 240  
 ttaaatttcg aanatttgat gatcccacga gtagtctct cnaaatctga tctggctatg 300  
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370

<210> 10444  
<211> 380  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-048-Q1-E1-A6  
  
<400> 10444

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aaagattaag tggacctggg tggaaacgtt catttccaag aggtttgggt gggattggaa 180  
gcatgaaggc tgccaggaac tgagaaaatt ttccattctt agaggactgt cacacaaggt 240  
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<211> 416  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-048-Q1-E1-B3  
  
<400> 10445

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tacccttagt ggctcctct ctgtcnatgg cctcaangta ctacatatgg atagaaacga 180  
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aagtgcact cctgaagaaa atcttggaag caagcanaga atacaatgtc gatatgatcc 300  
caaaagttta tagggcctaa ngggactcct tgtncnaacc cctaatacaa caccnantgt 360  
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<210> 10446

<211> 396  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 cttcgtgatac tttttcactt tcttcaaaaa aaaaacatgt gtggaatact tgccgtgtta 180  
 ggatgttccg atgatttctca ggccaagaga gttcgtgttc ttgagctttc tcgcagattg 240  
 aggcacagag gacctgactg gagtggctta tatcanaacg gagataatta cttggcccat 300  
 caacgtcttg cngtcatcga tcttgcntcc gngtgatnaa cctcgttnca ncganngaca 360  
 aagaccaatn gtgtcacggg tgaacgggng agattt 396

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 <211> 430  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 taaagcctca atctgcaagc tttttggcaa gtgggtatca gaatttgaac aaggagttct 180  
 atggaagagt ttataagagt ctgcaatctg ggactgggaa agcgagcagg tcacgggtaa 240  
 agatgatgcc aataggaaca ccgagagtac cctacagaan ccgagaagaa tggacttggn 300  
 aatgggttga tanatgnaaa tgccctttat cgagagcgtg tnntcttcan tggacaaaac 360  
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 tgatgnactc 430

<210> 10448  
 <211> 427  
 <212> DNA

<213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-048-Q1-E1-C2  
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 attttcccaa gttagtttct gttagtaact ctgggataag tttgaggatt cagaatagta 180  
 aacctattag ccctgtcttt gctcttgaag caacttcctc caggagggtt gtttgcaaag 240  
 ctgctgctgg tgtgtcaggt gacttacctg agagtactcc taagggaact taagtcaagt 300  
 atggagaaga tattggagct ttgacaaaac ctttttttcc aacnttgggg ttaactttgg 360  
 gggaacactt gttgggnatc ntcaaggcca tccttggggg tacaagggtt tggaacaga 420  
 tntctctt 427

<210> 10449  
 <211> 427  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 cgcgaaattt ctctcaaaac tcaatctact gttcctatct cgtgtaggcg tagtaggttt 180  
 gacttcgttc ctggttgagg catttcgtcg aacgatttgc ctactgagaa aaagaagagc 240  
 tttggggagt gggttgagtt tgtgggaaag gcggtttcga cggcgtttcc gatatgggtt 300  
 tctctgggga tgcttgntgg gactgatgag gaccanagta ntttcaaagtg gggttacca 360  
 aatttggncc attgtncgnc ttacnaatca nnaaggcctt gggaatggga atgacctttg 420  
 nccccctg 427

<210> 10450  
 <211> 450  
 <212> DNA





<223> unsure at all n locations  
 <223> Clone ID: LIB24-048-Q1-E1-E1

<400> 10452

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ccacgatcgt gttaggtcac ggggttcggca cggaccagtc agtatggaaa cacttggttc 180
cacatctggt cgacgattac cgcgtcgtcc tctacgacaa catgggagcc ggtacgacca 240
accctgacta tttcgacttc gatcgttact caaatctcga angctactct ttcgatttga 300
ttgcaatctt ggnagatctc aagattgagt cttgtatctt tgttggccac tctggtttct 360
ggccaaggat tgggtgtcttg gcttctcctt aaccgctcct gatctcttcn cnanaantcg 420
tcatgatccc tgcctctccg agnataa 447
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<210> 10453

<211> 501

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-E4

<400> 10453

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atcacacttt ctacaacgag cttcgtgttg ccctgagga gcaccagtt ctactcacag 180
aggcacctct taaccctaaa gctaacaggg agaagatgac tcagatcatg tttgagacat 240
tcaatgtccc tgccatgtat gttgccattc aggccgttct ttctctctat gccagtggtc 300
gtacaaccgg tatttgtgctc gattctgggtg atgggtgtgc tcacactgtg ccaatctacg 360
aggggggatg ctcttcnca atgctatcct tcgtctntgat ncttgcgggg tcgggggatnt 420
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ccggcaggna cgggaaaatt t 501
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<210> 10454

<211> 475

<212> DNA



<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-048-Q1-E1-F6

<400> 10456

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aaatgacgat gacacaccgg cgccggggaa tcagtttgcc caattcggag ctggatgttt 120

ctgggggtgtc gagctggcgt ttcagagagt cccaggggtg actcagaccg aggctggata 180

cacccaaggg accgtagaca atccttcata cggagatgtt tgttctggta ccacaggcca 240

ttcggaggtt gttanggttc aatatgatct taacgattgc acctatgagt ctctgctttg 300

atgtgttctg gtctaggcat gatccacca ctttgaaatc nccagcggaa atgncctggg 360

aancccaatt cagattcngg aantatacct tctacncacc ccgaacc 407

<210> 10457

<211> 473

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-F1

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gacaaacca agaagattcg atgggtaaga acgattttct aaccccaaag gcgattgcga 180

atcgaattaa agccaaagga cttcaaaagc ttcgatggta ttgtcagatg tgtcagaaac 240

aatgccgaga cgagaatggg ttcaagtgtc attgtatgag cgaatctcac cagaggcaga 300

tgcaagtttt tgggcagaat ccgactcgtg ttgtcgatgg ttactctgaa taattcgagc 360

agacgtttct cgatctgatg aggcggagcc accgtttctc tcgtatcgct gccactgttg 420

tctacaatga ngatatattaa cgataggaca tcatgttcac atgaattcga cng 473

<210> 10458

<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-047-Q1-E1-F10

<400> 10458.

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tttgttcaag acggtgacgg tcagatgctg cactgttgc aaccttttgc cggtgaccgt 180  
gagcatgaga gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnn naaatctttt ggaggaaatg cgaagcggag ggcagaatat 300  
aaacatgaac atgatgatga gccatcacgc ttcagctcac caccgaacg aagcatttgg 360  
ttatggcgac tcgcaacgga aagatcagtg gatcatctac aagagatgcc tcggccacca 420  
ccagccaata gacccccaag aagaagcgac aan 453

<210> 10459  
<211> 411  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-047-Q1-E1-F11

<400> 10459

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tgctggatgg acagatgata taagggtagt tcttgattat cttcaacaca aatacccgag 180  
ggctcctctc tttgctattg gcactagcat tggagcaaat gttctggtaa aataccttgg 240  
ggaagagggt gaaaagactc ctctgagagg tgctgttgc atctgctctc catgggacct 300  
cttgattggt gacaggttta tctgtcggac ttgaaacaa aagctctatg acaaagctct 360  
caccatcgga ctccaaggtt atgcccaatt gtatgtccac caagaactgc c 411

<210> 10460  
<211> 441  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-047-Q1-E1-F12

<400> 10460

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gagatggaga atgaagagat gacacaggct gttatctcta ctgtctcaca gttacctttc 180

atgggttgctg gtatgccaaag gcctgtgaga gcttgtgctg ctgagcctaa tatgtttggt 240

gataaaccga agaagcctgg tagaacggtc cgttttcgct ggattaagcc taacgaccc 300

gatttcgaca aggccaggag agtcaagcgg cttgctcgta agcatagtgc tgaaaattcg 360

ttcatgctca agcttgagga ngcagagaag ctgtcganac agcaagctga gacngcggta 420

acacatcaca agaagtttga g 441

<210> 10461

<211> 432

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-F2

<400> 10461

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caaangacaa actcaccgag taaacatacn caacctgtcg tgtaagtaaa aacaatttga 120

tagtgatect tctatgtttg gtggaggaag agggcctatg ggtggcggcg gaggtatgtt 180

acgcgcggcc ggctgtgaga tgacgangac cgggtgtancc aacgggtgga ttcaagatnc 240

ctttgcttct tcatcatcat cgtccacgtc gtctccggct ggaaacgcct ctgtttcgca 300

tgccananaa canagatctt cttcttcngg gtcganataa tctgacgtat tccgcggctt 360

ctgggttggt gttgaatcct tccggtggct gcaantccg gatggagcca gcggcgggtcc 420

ttnttccctt tg 432

<210> 10462

<211> 413

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-047-Q1-E1-F5

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 tcgaaaagtt tccggagggtg gaagagctcg cgtnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcaaag 300  
 ctgtgagtgg agataagctt ctcagaagca ttatgcagga taacaaaatt gaactctacg 360  
 ctgcttacgg gaaagtgatg aactgtgggtg gtggangaag ctgtggaact tgc 413

<210> 10463  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-047-Q1-E1-G11

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 cgattgtttc atcgancgaa tattatcagg gatgtattaa atcttccgtg cgccttaccg 180  
 catatganta aaccatttga ccacatnaga caaatgcaaa agaactaaaa agagtctggt 240  
 ttctgtttctg tcttaatttc tctctggcga aagctaagag gtttcggtta cggctcncat 300  
 ctccgatnaa atcacnaagg tttctatcgg gaattttcag tgatncatac cgtcaggaga 360  
 tttccttacg angagaattg tcgccgncat nctaaagcaa gagttttggg tgggaaa 417

<210> 10464  
 <211> 438  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-047-Q1-E1-G2

<400> 10464  
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tcttttaggtt ctgctcgaaa tcgtgggtta gtgtttatta tcatcgattc agaaaacggt 180  
gggtaaactt gtagcggaag atgaggcggt ggccgggtga tcaccggcgg cgaggtanaa 240  
ggagattgtc gagttggata tggtttctcc ttggttcttt ctctgtcgct ggttttagttc 300  
tcttcatcgt tcagcattat caccatcaac aagatccatc ccagctttta cttgagagag 360  
acacganaac cgaaatggta tctcctcccc atttaaactt cacggaagag gtcacaagtg 420  
cttcctcctt ctctaggg 438

<210> 10465  
<211> 476  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-047-Q1-E1-G3  
<400> 10465

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ccggtttcgt ttcaccggat ttgggtcttc cggcgacgga gaatagccac catctccgta 180  
gaaaacagta tactttgatag ctgaggaaca agagaagtga caagggtgat tgaaaagttg 240  
aaggactcag atgggaagca gaagcggaga acaaggaaag cgaatggcgg aactgagcaa 300  
aaatcttaaa gaaggtgaga ggattctgga gcccacacgt agacctgatg gtactctccg 360  
gaaaccatt cggattcgac ctggatatac tccagaagat gaagttgtca aatatcagtc 420  
caaaggttct ctgatgaaga aggagatggc ctcaagggt cctccagggt atgaac 476

<210> 10466  
<211> 431  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-047-Q1-E1-G4  
<400> 10466

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 tttggaattc actccagttt gacctagttc aggttctang ttcttccttc tttgtcatct 240  
 tcatctccac tgtttacttc atgtccaagc cagcaccat ctacctcgtt gactattctt 300  
 gttacaagcc acctgtcacg tgctgtgtcc ctttcgcaac tttcatggaa cactctcgtt 360  
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 <211> 415  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-047-Q1-E1-H12  
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 ttttactcaa atctttaccc acaattttac cagttctctt gtccacaagc tgatgagatt 180  
 gttatgacgg tgctcgaaaa agccatagct aaagaaccaa gaatggcagc atctttactc 240  
 agacttcaact tccacgactg cttcgttcag ggctgtgatg catcaatctt gttggatgat 300  
 agtgcaacca taagaagtga aaagaatgct ggaccaaaca agaactccgt tagagggttt 360  
 caagtaatcg acgaagatca aagccaaact tgagcaagct tgtcctcaaa ctgtc 415

<210> 10470  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-047-Q1-E1-H3  
 <400> 10470

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 ggaaggctcg tgctaagttt acggcgagac caagttgact catcaacagt cgtctccgga 180  
 agtagtancc accacgagcc aagcaccatg gaggttgagc tanattcgtt tcaagagaca 240  
 agtcgctgag aaattcatcg atctcaacgc ttcttcaaac gaccttctct ctctcgaatg 300

gatcggaaaag cttcttgatt ctttcctctg ttgtcaagaa gagtttcgag ctatcgtatt 360  
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<210> 10471  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-047-Q1-E1-E9  
 <400> 10471

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 atgaggaaca agaacttggga aatagcaaca attcacatca ctctaagctc ttcggtgatc 180  
 tcaaggatct taatgcgaac gaacctctgg tcagaaactc accaaagttt gaaatagatc 240  
 gtagagacga ggatactcga gttgatatat gctgctcgcc aaaaccggga ttgctactat 300  
 ctactgtgaa tacattagag actctaggct tggagattga acaatgtgtt ataagctgct 360  
 ttagtgattt ctctttgcag gcttcttgtt ctgagggagc tgagcagana gatttcataa 420  
 catcaagaag atataaaaac aagcattant caag 454

<210> 10472  
 <211> 451  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-046-Q1-E1-A2  
 <400> 10472

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 tacgtttctgt tctttaacag ttttaacctc gtaaccttcg aagcctttgc ttcagtctca 180  
 cttatcatag ccacagttgc tttcttgctc tcaccagggtg ggctcgcatg ggccctggacc 240  
 gggtcatcca agagtcgggt ttcgattcca ggaccatctg gttctctttc cgtcttctcc 300  
 ggctccaatc cccaccgtgt tctcgccgct cttgctaaac gcttcaaggc ctctccggtg 360

atggcggttct cagttgggtt ttcgcgtttc cgttatctct agtgaaccgg agacggctaa 420  
agagattttg agcagctctg cttttgctga a 451

<210> 10473  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-046-Q1-E1-A4  
  
<400> 10473

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tttgttgaga ttgatccttc tggaagatat ggaagatagc atgaaatact tggcaaagga 180  
gcttcaaaga cagtatacag agcatttgat gagtatgaag gtatagaagt agcatggaac 240  
caagtaaagc ttcgaaattt cacaaggaat cctgaggaat tagagaagtt tttcagagag 300  
attcatcttc tcaagacttt gaatcatcaa aacattatga aattctacac ttcttggggt 360  
gataccaaca atttatcaat caattttgtc actgaactcc tcaactcctg ggan 414

<210> 10474  
<211> 417  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-046-Q1-E1-A5  
  
<400> 10474

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gtcctgcaag tgctgtgacc aacaacaata tccaagacaa agacaaaacct gtcaaacaac 180  
gttctgaaga aagatgtgat gaagaagaag agcaacttcc tgatcccaac tctgtaccaa 240  
ctgatttcac tagccgtgaa gctaagggtt gggagggtta atccaaagct actgagagga 300  
attggaagaa gaggaagag gaagagatga tctgtaaaat ttgtggcgag tctgggtcatt 360  
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[illegible]

**Abstract**

[illegible]

**Abstract**

<210> 10477  
 <211> 354  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-046-Q1-E1-A8

<400> 10477

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 tccagatctc agagctattc aaagagctac tactgtcact aaacgtcgag ctaggaaccc 180  
 gagtgtgact cgtcacgcaa gatccgggtcc ttctgggtggc agacgaagcc ggccggagac 240  
 tcctttattg aaatggaagg tggaggatcg gaataaagag agaagcggcg ttgtagaaga 300  
 cgacgattac gaggatgata atcaccaggt tgcgaggtca gagactactc gcan 354

<210> 10478  
 <211> 463  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-046-Q1-E1-B12

<400> 10478

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 aaaatccatc gtctctttct cctccttcct caaccgncgc ttctcatctc tcaactctct 240  
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 ncgcaaattg cgtcttcgac ccancaattg ctcccgaagg attcgtctct cctccgtatt 360  
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<210> 10479  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 10479

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tcgagacatc gaattcagag atttctgaga atttcccgag attccttggg aacgtccccg 180  
tgaaactggt gttgaagatt ttgaattcaa cgagattagg attcaaagct acgacatctg 240  
gtaatcctcc ggtgaagaaa ttatcattga gattgaaaga gataagttgc agagcagcga 300  
tcttttccgg tagttcaccg gttagattat tctgcgagac atcaaaattc ctcaattcgg 360  
ttaaatttcc gatactctcc ggtaattttc canataaccg gtt 403

<210> 10480  
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<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-046-Q1-E1-B7

<400> 10480

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aaacaaatcc acttctgcat ggntgggana atctgttagg agaatttttg ttgttggtgg 180  
gttcagattt ggaaaatttc ctttttttct agtttcttct gaattattca tcgtggagat 240  
tctcggatcg ggaagggntg cganagggtg ttttcacngc ggggatagat tcattctctg 300  
tcttcnctg agggggtagc cganagctcg gntcggcgg tttttaaac cctacctta 360  
caaattctgg gaaattagaa aaaaaaagggt ttgatttttc aatttttgct ccgttccgtc 420  
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<210> 10481  
<211> 450  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations



<223> Clone ID: LIB24-046-Q1-E1-C10  
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 tgactgtcat cttatgtcta gcacctgagc acaacgatca gttgagtgc atgccacctg 300  
 atgtgcanan actcgttgat ccctatgagt tgagtccttt tattacacaa gtagtcaa 360  
 atgtgcggt atccaaagaa gagtggaag aacaaagtaa gatatggcct acttcatttc 420  
 atccaccaac ctacaatata gatggcatcg g 451

<210> 10484  
 <211> 402  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-046-Q1-E1-C2

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 tgtgcttgat ttcctcctag gatggcattt ggctccaaca acttatggag attatccaca 180  
 atcgatgaag gatcgtgtcg gtcatagatt gccaaaattc acagaagctg agaagaagtt 240  
 gctaaagggt tctacagatt acgtaggaat gaattactat acttcagtgt ttgcaaaaaga 300  
 aattagccct gatcctaaga gtccgagttg gacnactgat tcncntgggt gattggggat 360  
 aggcaagant tgtggaatgg atacaaaaat tggtaaccaa gc 402

<210> 10485  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-046-Q1-E1-C3





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 tccttatggg atcttcttat gcacgattg ttctgctgtt catcgaagtc taggtgttca 240  
 tatcaggctt cgtcagggtca acgaacttag actcgtggag tcctgagcag ctaagaacaa 300  
 ngatgtttgg aggggaanant cgagctcang tgttttttan gcaacatgga tgggaatgat 360  
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<210> 10488  
 <211> 490  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-045-Q1-E1-F1  
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 tctgaatacc cagactatac tccattacta gctaagatcc tggaagggtt actgtctcgg 240  
 tctgatgctg gggacaaaat cagccatcac gaagagatta tagaatgctg caaacgaagt 300  
 agtacgcagt gttgacgtag atgagctagc aagattcttg ctagacaaaa ctgaaccaga 360  
 agatgatgaa ncaagagaaa ttgaagaaaa aaatggaggt gacacgtgat caactggcgg 420  
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<210> 10489  
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 <212> DNA  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB24-045-Q1-E1-F11  
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ctaagcagat tactttggcg gagaccatc tgattggtat ttttgcagat attccgttct 180  
tggagtacca actggcctgg agctacattc cttagcctgg agtaaataat aggctgacct 240  
tttgaaatca acatggtttc ctcaagaact taataacttt tcgctggttt ctgtcctgga 300  
gcgttggtgt gtgtttggtc agnggtatna ataagtccaa ngcaggggtcc acgangcact 360  
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<210> 10490  
<211> 457  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-045-Q1-E1-F4  
<400> 10490

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tcagttctat cccgaagctg gatgggtgga acacgatcca atggagatac tggaaagtgt 180  
gaaagtgtgc attgcaaagg ctctcgacaa agccactgcc gatggacaca acgtcgacgg 240  
tggcttgaag gccattgggc ttacagatca gagagagact actgttgttt ggagcaaact 300  
cactggcctt cctctccaca aggctattgt ctggatggat gctcgtacca actccatctg 360  
caggagacta gangaaagaa ctctcgggaa gaagatccaa tttgtggant ccttgcggct 420  
ttccaataag caaaanactt cccggcaang aagcctg 457

<210> 10491  
<211> 435  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-045-Q1-E1-F5  
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ctttatcctc caatggcgag gcggtggtct cgccgatcct gcctctgctt ctgttcgttc 240  
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tgtttcatct gtctccccc aaagtctcanca atcctcctcc gactgctcaa atctagctcg 360  
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<210> 10494  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-045-Q1-E1-G3  
<400> 10494

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gcggaagct tgttcgcgat ttcaagcatc tcaacctcga tttccagctg atcaaggatc 180  
cagagactgg aaagaagaag cttaagatcg attcgtggtt tggaacacgc aaaaccagcg 240  
cctccatcan aaccgctctt agccacgtcg ataacttgat ctccggtggt accaagaggt 300  
ttccgttaca agatgagggt cgtgtacgcc cattttccca tcaacgcctc catcngcgggt 360  
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gtt 423

<210> 10495  
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<212> DNA  
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<223> Clone ID: LIB24-045-Q1-E1-G5  
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ccagcgggtgt tcctgccaca ttttaagcact ttctaacaaa cttaccggcg ttctaccaag 240  
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 accttatcgg ccggattgga ccaaaaacat acaggatgta ccgatgcatt atccgagctg 360  
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 gccgagttta tccag 435

<210> 10496  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 <223> Clone ID: LIB24-045-Q1-E1-G6  
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 caccaacatg gttagcaatg aggtgcttcg cctagcaaac acgaccctt tggtgtttcg 180  
 aaaggcgggtg caagatnttg agatcaaagg atatacantt ccggctggtt ggattgtggc 240  
 ngttgcacct tcagcgggttc attttgatcc tgcaatctat gagaacccat ttgagtttaa 300  
 tccatggaga tgggagggga aagaaatgat ttggggatct aaaacgttca tcngcntttg 360  
 gatatggcnt tagnccttgn ctcgtcatat ttttcaccgg ttttaaattg aatccttccc 420  
 cnaca 425

<210> 10497  
 <211> 479  
 <212> DNA  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB24-045-Q1-E1-H2  
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ttgtaacttc gtcgcgtgac aaatcaatca tcctctggaa actcaciaag gaagacaagt 240  
 catacgggtgt tgctcancgg aggatgactg gtcactctca cttcgttcaa gacgttggtc 300  
 tctcctccga tggacaattc gctctctccg gatcttggga cngtgagctt cgtctctggg 360  
 atctcgctac cggagaatct actcgctggt tcggttggtca cacgaaaaat gttctctctg 420  
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<210> 10498  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-045-Q1-E1-H4  
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 ccttgaggag aagggttaggg agattgatgt tttgaagaga gaaattgaag gagttgtgaa 180  
 agagaagatg gaggttgaga tgggtgagacg tgatcagagg gagatgattg tggngttgga 240  
 gaaaaagctg ggagatatga atgagattgt ggagagtttg actaaggaaa ggganggggt 300  
 acgtggtcag gttgttgggt tggagaagag tcctgatgag gttacggagg aagcgaaagc 360  
 gagagctgag cagatcaatg aacttgtgaa agagaaaact gtttaaggga tctgaacctt 420  
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<210> 10499  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-045-Q1-E1-H8  
 <400> 10499

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 gttcgatgag ctttatcggt caagctgggc tatggatcat tgtgtcaacg aaggcgaagt 180

cacaaaaactc aagcttgaca attactctgg agctggggtt gaatcaagaa gcaaatactt 240  
gtttggtaaa gtctctatcc agattaagct tgttgagggt gattcagcag gaacagtcac 300  
tgctttctac atgtcttcag atggtccgaa ccacaacgaa ttcgattttg agttcttaag 360  
gaacactacc gggcgaagcc ttacatagnc caagaccata tccacgttna acg 413

<210> 10500  
<211> 439  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-046-Q1-E1-A10  
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anaccaagaa tttgaagccg ccacatgaat acgtaccatg ggtcacactc aanngcaagc 180  
cactcgatga cagcgtacan agtacggatg atctcgtagc tcanatctgc antgcataca 240  
aanggaaaga ctactctccc aaaagtttgc aattcatccc gcctcaaagc tctaaantcg 300  
cctgagaagg aaatggaagc ttcaagtctc cttatgcca taaagctacc aattattaag 360  
ttaactatca aacttcgtan tgaactaaga tggatttaag ctttaagtta taagtggaat 420  
gatgaataaa ggcctgttc 439

<210> 10501  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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cttatgcgaa gaagtcagggt gatgtgacag agttgcagat tgggtgttaag tanaagcctc 180  
acgaaatgtg atctccaggc tcacaaaggg gataagatca aggttcacta tcgggggaaag 240



ttaactgatg gaactgtctt tgattcaagg ttttgagaga ggtgacccta ttgagtttga 300  
 ngcttggaaac tgggtcaagtc atcccaggat ggggaccagg gtttattggg agctngtnta 360  
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<210> 10502  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-045-Q1-E1-C1  
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 gattttttgaa atctactgcc ggaaaggctg catgcgattt caactccctt ttcccgggac 180  
 aattcgcaag cttgtgaaga agatcaagag gtgaactctg agtgatgagt gagccaaagg 240  
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 aactgcggag tgctgttgac acagagacag gagaccctgt ggctttgatg atccttgata 360  
 aagacaaggt tctgaagcat aagatggctg aacaaataaa ggagagaaat ttcnattatg 420  
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<210> 10503  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-045-Q1-E1-C11  
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 tgatgaattg agttcaaagt ctcagcagcc aaatggaaaa aattatcttc atgtgcaccc 240  
 tatgttccct cactccaatg ctacctcaca taaatgggct tttggagctg ttgcagaatt 300  
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<223> unsure at all n locations  
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gaaaggccga acccttccat ggaagtttcc caagattagg gcttccaact gcaatatccg 360  
gtanagttca tcagagatgt gccgcaacat taaatgctgc acgcatgatt cttgctggct 420  
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<210> 10505  
<211> 423  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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gtctggggcca ctgaggatga ttacagccgt gtctggggcca taaactctga tggcgagag 180  
tctccgagca agaagacacg atcttcctcc tctccgaga tcgggaaatc gttcttcaag 240  
acgaagcttt gcttcaaatt ccgcgccgga acttgctcct actccgcgag ctcttgccac 300  
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gaa

423

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<211> 439  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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atggagactg tgagaccaat ggttggtgct cctaagggtta acaaactcag acgcaagttt 240  
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ataaagtgcg attccaaaac cgctaagttg tctgagtcgt tctacaagct tgaggaagag 360  
tatgagagaa gtcagggatt ggaagctctt cttgcgaagc tttttgctac ggtttcttcg 420  
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<211> 495  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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tccgtcgttt actctgttgt aaaaatgagt tctagggctg gtccaatgtc taaggaaaag 180  
aacgttcagg gtggttatag gcctgangtt gaacagttgg ttcaaggttt ggcagggacg 240  
agactggctt cttcacaaga tgatgganga gagtgggagg tcattttcaa gaanaacaag 300  
aacaaccag gaaacacttc tggaaaaact tgggtttctc anaattcgna tcctcctaga 360  
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gtt

423

<210> 10510  
<211> 401  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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attggggagt gggctgcaga taagttacta ctagaaacaa agccagaaca cttaggtcac 180  
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aagactttac tgagtgaactt gggcgtgcaa aaggctcatg agtttgcttt gatggaaaca 300  
gattcggagt tagatggaga gaataataag ccgatgaacg atgattctgt catcaatcag 360  
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<210> 10511  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-045-Q1-E1-D8  
  
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aggcagcttg gagctcgac aaatcagtac atgtgaaagc tcagctgtct tcaatcgggtg 240  
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caaagttgaa ccgnataggat ga 442

<210> 10512  
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<223> unsure at all n locations  
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<400> 10512

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catggatatc tagcgggaaa atctgttgat agaatctcac ttcctctcca gcgaaacgtt 180
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gttactgaag aaacatcaac aggagtcaat gagtttggtg tggaggatcg tgatggagta 300
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aactcaagcc ctanagtttt tgnacgatat taaagctgga ctcaagnan ggacatantc 420
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aanccggcaa gttc 494
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<210> 10513  
 <211> 456  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-045-Q1-E1-E3

<400> 10513

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attgatgctg ctaacctcgc tgtgaagaaa ctagaagacg atgtcagttc gaggataaaa 180
gatcttgctt taagggaaca agaaactgat gtgttgaaga aatccataga gacaaaagcg 240
cgtgagctac aagctctgca agagaaactg gaagccagag aaaagatggc agttcagcaa 300
ctagttgatg aacaccaagc taaattgggt tcaacacagc gtgagtttga gttggaaatg 360
gagcaagaaa agaaaatcct attgatgaca gccttgaaga gcaanggttg cagaagtggg 420
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aaaagaagga agctgaattg gaagcacctt ggaggg

456

<210> 10514

<211> 493

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-045-Q1-E1-E4

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agggagaagc atgttagacc aaaccggaag accagatccg tgaaaccga attcgatccg 180

tgttgtttgc tcgacaggac ggctctatcg aaatcgattg ttgaatcgag tcttaagcat 240

cttgtttadc atccgggtct tctcgattcg tgtccagagt caaacctag tggcagtttt 300

gaggataata atggttgggg ttattgtacg gaggagcaat tagaggatat tttgttgaaa 360

catttgagatc atttatacaa tgaagcgatt tcgaagcttg tgggttcttg ttatgatgag 420

gatgtggcgt tgagaactgt tcctagtaat gggtaatgtt aatggtnгаа tggatgttaa 480

gaacnaataa tcc 493

<210> 10515

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-045-Q1-E1-E5

<400> 10515

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aagactgagg ttgcgccgaa ccgctacaaa gtggcggtgg atgctgagga aggaagacgg 180

aggagagagg acaacatggt cgagatccgt aagagtaagc gtgaagaaag cttacagaag 240

aagcgtcgtg aaggccttca agctaatacag ctacctcaat tcgctccttc ttcggttcct 300

gcttcancaa ctgttgagaa gaagttggag agtttgcttg ctatgggttg gtggtgtttg 360

gtcagatgat agaagtttac agcttgannc gactantcag ttccgnaat tggcttcca 419

<210> 10516  
<211> 493  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-045-Q1-E1-B3  
  
<400> 10516

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aagaaggaag gaaatgcgcc taggtatatg accangtcgc aagctcttaa acatcttcaa 180  
gttaacttga atctattcag gagactatgt attgtcaaag gtatatttcc ccgagaacca 240  
nagaagaaga ttaagggaaa ccatcacact tactaccatg tcaaggacat tgctttcctc 300  
atgcacgagc ctcttcttga gaagtttagg gaaatcaaag cataccanaa gaaggtcann 360  
aaagccaaac gccaaaaaaa acgaggagct tgcacgcctt ctgctcacc gccaacctac 420  
ttacaaagcn tgatanattg atccgnnnaa ggtatccaac atttattgat nactgccaa 480  
acttggaang acc 493

<210> 10517  
<211> 487  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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acgatacaag acataattgt gtgtatcctt gcctttatgc ccacagggtg ggggatgctc 180  
ttgattgctc aagcgtgtaa gccgggtggt catagagcag gattctgggg atcagtgagg 240  
accctagctc gtggatacga gatagtaatg ggactgttgc tggtcacgcc aagtggcggt 300  
cttggcatgg ttccatttg tgcagagtt ccaaacgcgt atgctcttta atcaagcttt 360



cagtagaggt cttcagatct ctcgatcct tggaggatcat cgtaaggatc gctcttctcg 420  
 aaacaaggaa tgattcatct cttcattgta atgacaggga anggatctta antttacccc 480  
 ttttttaa 487

<210> 10518  
 <211> 452  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 gaccggtaga aggagtcttc gtcggagctg tatttaacaa ggaagagagt aaacacatcg 180  
 taccgatcgg tacgcttcgc aattcccggg ttatgtcttg tttccgggtt aagctctggt 240  
 ggatggccca gagaatggga gaaatgggccc gagatattcc ctacgagacg cagttcttat 300  
 tggtcgagag caacgatggg tcccaccttg agtctgacgg agctaacggc gtcgaagtgt 360  
 aaccagaaag tttacaccgt tttcttgccg ttaatcgaag gatctttccg ttcgtgtctc 420  
 caagggnaac gttaacgaat gaggttganc ct 452

<210> 10519  
 <211> 471  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-043-Q1-E1-E12  
 <400> 10519

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 tcggaagctg gaccgggtag aaggagtctt cgtcggagct gtatttaaca aggaagagag 180  
 taaacacatc gtaccgatcg gtacgcttcg caattcccgg tttatgtctt gtttccgggt 240  
 taagctctgg tggatggccc agagaatggg agaaatgggc cgagatattc cctacgagac 300

gcagttctta ttggtegaga gcaacgatgg gtcccacctt gagtctgacg gagctaacgg 360  
 cgtcgagtgt aaccagaaag ttacaccgt tttcttgccg ttaatcgaag gatctttccc 420  
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<210> 10520  
 <211> 509  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-043-Q1-E1-E4  
 <400> 10520

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 cgggtgattat atgctgtatt ggtgctagcg agaaagagat ctccgatatt accggtcctt 180  
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 tcaacctatt ctggggagtt ctttgctgga agagaaaagc tgaagaagca ttgattgaaa 360  
 gcgggcttaa ttacgcaata gttagacctg gangaatggg agaagaccga ctggatgcat 420  
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 ctcaaactct ccaaggtttg caaaagttg 509

<210> 10521  
 <211> 496  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 ttcttcgacg gagaacaagg ttctgagtca gctggtgcca tacctgatgc tcatgaggag 180  
 tctcaaactg ctgacttgaa tggggagcaa acgcagttag aacctgaaaa cggttcaact 240

tctgaggata acgaaagatc tcgtgaaatt gaagaagtac tagatgggtga tgtctctaaa 300  
gacttggatg ctgttgatcc actcgctggg tgangtgata gaggaggagg gtggacttcg 360  
aagatgttga atatcacgat gtggagaata tgatggataa gcaagagaca catgatttgt 420  
actgtccaaa ctgcgattct tgcataacca aaaaggggta tcctcaaaag aagggaaacg 480  
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<210> 10522  
<211> 493  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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tggcgacgag gaggagagaa gcgagnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnagaa gttgggtactg 240  
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gtggaggaat cgataatgat aagagtgggtg tgggtgaagga ggctgggtgat atgaatggag 360  
aagaaggaag aaaccgcggc accacgcaaa angcaaccga gacgtgataa ttagaacang 420  
attttaaagt agttttcgan gatgtgaaag aaaagttcaa atttattttt cngtttttgg 480  
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<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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ttttcttctt ttggtttgct ctctctggat ggctgttccg agttataata atcgccactt 180  
 gggttcttcc aattgctggc cctcttctca ttggtgcagt cgccaacaac ttttgtccat 240  
 caagggagaa tgcccancat gtaangangc aatttataag gtacaagaac caaatcatca 300  
 natgtnaagg atgttggaaac atantngtng caaccacaaa gnaattcct cccaaaagat 360  
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<210> 10524  
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 ccctcttctt acagctgcac cgaaaatgac aagaatgccc tcttcaaata caagaaagca 180  
 cttggcaatc ctcccccttct atctctctgg aacccccgaa ccgactgttg taccggctgg 240  
 accggcgctg aatgcactaa ccgtcgcgtt accgggtctca gcgttacctc cggcgaagtc 300  
 tccggtcaga tctcgtacca gatcggcgac ctggttgacc tccgtacact anatttcaag 360  
 ctacctgcca cacctcacgg gaaacatccc acgcaccatc accaaactca agaacctcaa 420  
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<210> 10525  
 <211> 449  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 aagcgcgtga cgttagatcg gagatctcac cgagatcgcc ggtgaattag gggttctact 180

tcctttgttc ttgttaacgt tatatgaaag tttggaagtg atgctcaacc tgtngtaaata 240  
acgggtccant nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300  
naattacctt gtactgtcaa actcagaatg tggtcgcatg acatcaaaga cccatatgca 360  
caactgaaat ccganagatg tctatttaca ataccggcat gccgtccntt gcagtgaaat 420  
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<210> 10526  
<211> 488  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-043-Q1-E1-G4

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cttctaccaa atctcgaagc tgagcatgat tctgtggta tgtgtaatgg aatggattct 180  
acatagcaag agatactcaa gagaagtga aatatchnnnn nnnnnnnnnnn 240  
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnccaaa ggttttatct gtgcttgtgt 300  
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aattgggtcc tttgagttgt tgagtaaaac agcgccgatt caagcttttt cgcttcctgg 420  
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<210> 10527  
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<223> Clone ID: LIB24-043-Q1-E1-G5

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tcggtggatc tccgattcac atggcggcgg ataatgctta tctgatgcag tttgttgacg 180  
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ccttacctca ttttctccag acatggctcc gaaattacct cgccggaacc ctactatact 300  
tcatctccgg tttcctctgg tgcttctaca tctattacct taaaatcaac gtttaccttc 360  
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ctaagccaag gg 432

<210> 10528  
<211> 402  
<212> DNA  
<213> Arabidopsis thaliana  
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ttcgttggnr cncatctcgt ggatcctttg atggctanag gagatactgt gattgttgtt 180  
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<210> 10529  
<211> 481  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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ataacacacc cnaaaatccc ttctttcggg ttacaccca ccggnatatt cctaaaccca 180

tcaaantcag tgtgtttggc ttcacatcat cggcttccga gagtttcatg ctctgtttct 240  
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 agctctanag acttggagat gtcgaattta acggcggttat cgcctttgga tggacgttat 360  
 tgggggtaaag ttaaggactt gggcttcttc tttgagcgag tttggattga tcnanttccg 420  
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<210> 10530  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 acagaggaca tcctctgctc agatccaaga agagaggaga aggctacaac catggcttct 180  
 caccgtctca gattcaatct cttgcggtca tctgtcaaac tttcctccct ccggagacca 240  
 cgtcggaaca gcaagctggt aattccttcc acgtagcctc ctctactcaa ccaccattca 300  
 ctgatgaggt ggcggagatg atagtgaata acggacgacg agaagcagtc aaagttttga 360  
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 cgtc 424

<210> 10531  
 <211> 392  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-G7  
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nnnnnnnnnn nnnnnnnngc cggcaaaatc tctccaacat ttcacccctc gaattgagag 180  
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 taaatggana agtggatata tgttgctaga atgattgatg tctgttgngt aagaattgga 300  
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 nctanactaa angatggatt acaataacan ac 392

<210> 10532  
 <211> 419  
 <212> DNA  
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 <223> unsure at all n locations  
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 gagagaatgg atcgaatggt tgcttatggt ccaacgtttt gcgatatcac ttggggagct 180  
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<210> 10533  
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 aactttgttt agtgtgtctt cttaaagcct gcaagatgca gagaccacct cctgaagatt 180  
 tctccttgaa ggagacgaga cctcatctag gtggaggaaa actctctgga gataagctta 240





nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngac aaaatgggac atttctcttc 300  
catgttcaac ggtatagcta gatccttctc ggatnaagaa aagcgaagaa catcaacaag 360  
caggcaaaaa gctacgctaa aggaagccac agatgaanat ggcaagaga gggngaagga 420  
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<210> 10536  
<211> 471  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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atttctggtg agaatgacca gcaagaagtt gtgcancaac tgcacaaggt tcttcgncca 180  
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atacttaaag ttggnatgtc tcagatgcag aagcaatact acaangcttt actgcanaan 300  
gatcttgaag cggttaatgc tgggtgganaa cgcanacgtc tgctaaacat tgcaatgcaa 360  
ctgcgtaaag gctgcaatca cccctatctc ttccagggtg cagaacctgg tcccccatat 420  
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<210> 10537  
<211> 476  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-043-Q1-E1-B10  
<400> 10537

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ccattttctca atccttcaca aaatgcacca acttccattt ccgagatcgt aaaaaagctt 180  
gtggtacttt ctgataatag agagggaaaa aacgagagag agagaaaaa caaatgctg 240

gaagctccgg tgaacaagtc aagcatcctc aatggaggag gaggaggatt ctctcagcta 300  
cagagttgct tcggcgattg cagtagcgaa gaagaattgt cagtgttgcc acgtcatacc 360  
aaagttgtcg ttactggaaa caaccgtacc aaatctgttc tcgtcgggtct tcaaggcgtc 420  
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<210> 10538  
<211> 483  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-043-Q1-E1-B8  
<400> 10538

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tgagatctct cttccgaagt attaccatca atggcgactt cttcttcttc atcgctcgtct 180  
ctgcttttac caaacatcaa tttcaactca agacaatctc caacaatcac tcgttccggt 240  
tcaatcgccg ggatcttctt acccagaaac cgattaagct acaatcacia tctccggatt 300  
cgtacgagat taatcagagc ttctaaagac gataatgtcg ctggtgaaga tcgtgataat 360  
gcagtgaaga tcaacggtga ttacaacgga agtgcacgtt taaacggtaa cggctctgcg 420  
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ggn 483

<210> 10539  
<211> 453  
<212> DNA  
<213> Arabidopsis thaliana  
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<400> 10539

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ttatccggcg gaaggaccac ccaaggacgc ttatccacct ccgggacaac cctatcctca 180

gcaaggatat cctcctccgc agggatatcc tcaacaaggt tctcctcctc aagggttatcc 240  
 tccgcagggg taccctgaac aaggatatcc tcaacaaggt taccacctc agcaacaaca 300  
 gcaacagaaa cacagtcctg gtatgcttga angatgtatt gctgctctgt gctgttactg 360  
 tgtcttggac gcttgcttct gantngaagt ctccgcttga agctgcaaga attggcttat 420  
 accgatgata tcattctcat tctctttcgt ttc 453

<210> 10540  
 <211> 452  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 10540

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 agagaggatg agaaaacgca atgatcagag gatataattcg cagctatacg aagcaatgga 180  
 agcatttggt catatatgca gagatggntg taaaacaata nggccacacg ataaagattt 240  
 caaacccaac catgcaacgt gtaactatga agcttgcaag ggattagaat cactgatccg 300  
 gcatttcgca ngctgtaagc taagagttcc aaggaggttg cgtgcattgc aagagaatgt 360  
 ggnaactccn tgaactgcat tcacgtgttt gcgcangttc tgatcaatgt ccaagtcctt 420  
 ctatggcaga aaccttaaag gagnaagatg ga 452

<210> 10541  
 <211> 471  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 10541

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 aaccgcnatt gaagaccttt tcatgcctga ccgtgtcctc atcgggtggnc gtgaaacaac 120  
 tgaaggcttt gcanccgtca aagccttgaa anacatttan gcccaagtgg gtccctgaag 180

agagaatcct caccaccaat ctatggtctg ccgagctttc caagcttgca gctaatagcct 240  
tccatagccca nagaatctca tcagtcaatg caatgtccgc tctctgtgag gcanctggng 300  
ccaatgtctc anaggtctct tatgctgtgg gcanagactc tcggtattgg tcccaagttc 360  
ttgaactcta gtgttgggtt cggaggatct tgtttcnaga aaagatattc tcaacttagt 420  
ctacatctgc gaatgcaacg ggttaccga agttgctgag tactggaaac a 471

<210> 10542  
<211> 436  
<212> DNA  
<213> Arabidopsis thaliana  
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<400> 10542

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gaanatcgag agatctctgc cgtcagcacc gacggaggcc aagcgcttct tancgagggt 180  
gctgctcaag tctcggtact aaactctgcc ttctcttggc aagagtccga tcgcgctgct 240  
gccaagcgag ccaactcaagt tctggctgag ctagccaaaa acgaggattt agtgaacgtg 300  
attgtcgacg gaggtgctgt tccagctctt atgacgcac tacaggcncc accatacaac 360  
gacgggngac ttggctgaga ntcccgtagc aaacacgaaa gttgaaaaag ggaagcngct 420  
tttgcgcttg ggtcct 436

<210> 10543  
<211> 435  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 10543

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tttatagaag aagtaatctc tctttttctc tatttctctg tattactttc tctttttttt 120  
ttcgtgatgg agaaaaacac accggtgagg aaaccacaca tgtcgacggc ggatctactc 180

15641630 "16366660



catttctcct tcaccggttt tcaacggcgg ccaaaaaacc agctacggag gaagacgatg 240  
 tgggtccggcg tttgccctcc tgttccaccc tcttctcgca aattcttcgc caaaatcttt 300  
 cttttccagc gatgcaatcc ctcaatcaga agctttttatc atctctccgc cttttattta 360  
 cagatctaga ttcggtttca agcaccctcaa gagaatactc acaccggg 408

<210> 10546  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-042-Q1-E1-E12  
 <400> 10546

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 tgcattgcca aagatgctgc ttatcaagtg atcaatgatg agttgatgct tgatggtaatt 180  
 cccaggctta acctagcctc ctttgtcacc acttggatgg aacctgagtg tgacaaactc 240  
 atcatggatt ctgtcaataa gaactatggt gatatggatg aatatcctgt caccactgag 300  
 ctccagaacc ggtgtgtaaa tatgatagca aacttggtcc atgctcccgt tggagaagac 360  
 gaggtgcta ttgggtgtgg aactgttggg tcatctgagg ctataatgct tgctggg 417

<210> 10547  
 <211> 465  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-E2  
 <400> 10547

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 atagaacaac aagaacaaga anacagagaa aanacaatg gctgccttgt cggataagtt 120  
 agcggatgct taccagaacg caaggccgag atatccgacg gattgggttca cgaaacttgc 180  
 tgctcgaacc ggtcagcaca aatcancttg ggatgttggg actggcaacg gtcaancagc 240  
 tattggtctt gcagagtatt tcgagaaagt tacagcance gacataaacg aagcacagtt 300  
 aaaacgaacg gtaaaacacg aaagaatcag ttaccatcac actcccacaa cantgtccga 360

agaccaaattg gttgctctaa gtcggcggag ataactccgt tgatctaatac cgtggcagca 420  
caagccgttc actacgtcga tctcgacca ttctacancg ttgga 465

<210> 10548  
<211> 408  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-042-Q1-E1-E5  
<400> 10548

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tgcaagaacc ttttcaaatac tttgcctctt atttgggtca tcaatgaaga aactcttgct 120  
gttcggtcta gacagtacaa ctcaacaggg cagactgaac tcctcactga ctggaaaaag 180  
attttcagcc gggcatcggg tgtagtcttc cataattatc tccttccgat actctacacc 240  
gagtttgatg ctggcaactt ctatgtgatt cccggatctc ctgaagaagt atgtaaagca 300  
aagaatctag agtttctctc acagaaagat gatgtgggtca tttccattgt gggaagtcag 360  
ttcttgtaca aggggtcaatg gctgggaaca tgccctgctt ctgcaagc 408

<210> 10549  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 10549

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tcgccaaaat gttcagatct atgctcgtcc gatcttctgc ctccgcgaag caggcgggtta 120  
tccgccgtag cttctctctc ggctccgtcc ccgagcgtaa agtcgccatc cttgggtgccg 180  
ccggtggaat tggtcagcct cttgctctcc tcatgaagct taatcctctt gtctcttccc 240  
tctccctcta cgatatcgtt aacactcctg gagttgctgc tgatgttggt cacatcaaca 300  
ccaagatctg aggttggttg ggatacatgg ggcgatgata aacttgggcc aaaaagctct 360  
tngaaaggag ctgatctccg ttatcattcc agctgggtgt accaaaggaa gcctgggtat 419



<210> 10550  
 <211> 481  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-E9  
  
 <400> 10550

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ctttagcccg nccggtaccg ntccaanaat tcccgggtcg acccacgcgt ccgcttcaac   60
aaagattgtc tagttcggat cttgaaacga gcgatgatga gtgtgttgta acgtatgggt   120
ttggttatga tgaatctgaa gatgactata aagtgggttc gttgttgcaa caaagacacc   180
aagtgaagat agagacaaag atctactcaa cgagacaaaa gctatggaga agcaacacaa   240
gtttcccatc tggagttggt gttgctgaca aatcaagatc cggaatctac atcaacggga   300
cactaaactg ggcagccact tcctcatcat cgtcatggac gatcatatcg tatgatatgt   360
cacgcgatga gttcaaggag cttccagggc cagtttggtg tggcagagga tgttttacia   420
tgacgcttgg gagatttaag aagatgtcnt tcgaatgggt tgttaatgca aaaggagcta   480
a                                                                    481
  
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<210> 10551  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-F10  
  
 <400> 10551

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catcgatgtg tgcaagggtc ttttagaaga caaagcaagg ctaagcattt acgacccaca   120
agtgactgag gatcagatcc agagggattt atccatgaac aagttcgact gggaccatcc   180
tctacatttg cagccaatga gcccaacaac agtgaaacaa gtgaccgtta cttgggacgc   240
atacgaagca actaaggacg ctcacggtat ctgcatcatg accgagtggg atgagttcaa   300
gaaccttgat ttccagaaga tctttgacaa catgcagaaa ccagctttcg tgttcgatgg   360
aagaaacatt atgaatctgc aaaagctaan gggagattgg gttcattggg tacccaatg   419
  
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<210> 10552  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-F11  
  
 <400> 10552

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 cgcaagtga aatatgtcgg tcacagcggg agtgagtga tctgcaattg ctgtaaggga 180  
 gaaactaaaa ggtggtattg gacagactaa agtgcaagg tattggccag gaaaagctcc 240  
 ggagtgggct gaggaagctg aagaagatga tgatgttagg atgcagaagg tttctgtttt 300  
 ggatagagct tttccaaaga atgatgattt ggggtgttgct aaggaangat gatccaaggc 360  
 tgcgccgttt agctaagact aaagttgaaa accgtgacga agttagagct gatcatcggc 420  
 gg 422

<210> 10553  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-F12  
  
 <400> 10553

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 caccgaccat ctacctcgtt gactantctt gttacaagcc acctgtcacg tgcgtgtgcc 180  
 ccttcgcaac tttcatggaa cactctcgtt tgatcctcaa ggacaagcct aagagcgtcg 240  
 agttccaaat gagaatcctt gaacgttctg gcctcgggtga ggagacttgt ctccctccgg 300  
 ctattcatta tattctctcc acaccaacca tggacgcggc tagaagcgag gctcagatgg 360  
 ttatcttcga ggccatggac gatcttttca ngaaaacnng gtcttaaanc taaagacgtc 420  
 gacatcctta nc 432

<210> 10554  
 <211> 409  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-F4  
  
 <400> 10554

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gataacaatg gtgaaacgga atcgagttcc gccggcagaa caagcattac ccatcgaaga  120
agattgcaaa tcgttgataa aaaagcttgc ttcgtgtaag caatcaatcc gcgacagatc  180
cttgcgaaact gttcttcgta cttggctccc agaacaaact gaaatctccg atgaagatat  240
gaagaagcta tggcaaggaa tcttctattg tgtctggcac gctgataagt ctctttacca  300
atcaagaact tattgatcgt ctctcttctg ctcttcaatc acttctctt cctttgtcta  360
tccattactt caccgtcttc ttgttcacca tgcgtcgtga gtggtctcg                409
  
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<210> 10555  
 <211> 407  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-F5  
  
 <400> 10555

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nnnnnnnnnn nnnnaaagct tccagaaagc aagtagagat agtgtttgat cctgatgaga  180
ggcttaataa gataggtgat gatgttgaca aagaagctcc tttgtccagg cttaaagctct  240
tctcaccttg caagatcaat gttttcttga ggatcaccgg aaagcgagaa gatggggttc  300
atgatttagc ctctttgttt catgtgatta gcttaggaga cactattaaa ttctcattgt  360
caccatcaaa gtctaaagat cgtttgtcta ctaacgttca aggagtc                409
  
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<210> 10556  
 <211> 406  
 <212> DNA

<213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-042-Q1-E1-F6  
 <400> 10556

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acgcgtgggt tgggtgtgaa taagatcggg catgagtact gtaatcttcg tttccttttc 60
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cctataaggc gtgggtgtcat agggccgaca atgggtgattg aagagctagg acgtcgaaaa 180
gttaatcatg gggatgtcta cgttataagg ttctataacc ggttggacga gtcaaggaaa 240
ggagaaattg cttgtgtctac tgctggagaa gccctgaaat gggttgaggc ttttgaggaa 300
gcaaagcagc aggctgaata tgcactatcg agaggcggaa gtacaagaac aaagttaagc 360
atggaggcca acatcgatct ggaaggacat cggcctagag tacggc 406

```

<210> 10557  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-F8  
 <400> 10557

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gataaaaaaa aaaaaaaa ctctctcaga tctgagaann nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnna aacaacaatg gcgacaccag gagcttcctc 120
agcaagagat gaattcgtat acatggcgaa actcgccgaa caagcagagc gttacgaaga 180
aatggttgaa ttcattgaga aagtcgcgaa agctgttgac aaagacgaac tcaccgtcga 240
agaacgtaat ctctctctcg tcgcttacia aaacgtcatc ggagctcgtc gtgcttcgtg 300
ggagaatcat ttcattgata gaacaaaagg aggagtctcg cgggtaacga tgaccacgtt 360
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<210> 10558  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-G11

[illegible]

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<210>      10559
<211>      418
<212>      DNA
<213>      Arabidopsis thaliana

<223>      unsure at all n locations
<223>      Clone ID: LIB24-042-Q1-E1-G12
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<211>      412
<212>      DNA
<213>      Arabidopsis thaliana

<223>      Clone ID: LIB24-042-Q1-E1-E1

<400>      10560
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5189

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 ttagttcagt tgacattcca tcagctagtt tgttctgaag aggggtgacca aattgcaaca 240  
 aggctcatat ctgccgtgat ggagtattat actggctcag atggcagggg aacagttgac 300  
 gatattagcc cgcgactacg tgaagggttg ccaagttact tcaaggagtc tgattacaaa 360  
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<210> 10561  
 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-042-Q1-E1-G3

<400> 10561  
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 acaatatccg ttccaattat tccggtgctc gtgcttcgcc tctcggcggc agcagcggag 180  
 ccggagcccg agccggagga ggtggaaccg gagattccaa aggcaatgct tttcttgtgc 240  
 ccggagcaac aatggctact atccttatgc ttggagctct tcatgctcgc cgcctctatg 300  
 aagacaagaa gatcgaagag aaacgggaga agggaaatcga acttgagttc caccagata 360  
 tcaaagcctc gttccttggg gttctgcctc tgcgatnaat ctcaagagct 410

<210> 10562  
 <211> 465  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-039-Q1-E1-G3

<400> 10562  
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 caagaagatc aatttcattg aaatcgagag agtgtgcttg aatcacagct tatgcagacg 120  
 ctacaccagt cccaacttct ccagaatccg gccgagcgcg cgaacaatca gtctgaatcg 180

gacgcgccgc cgaaacaggt ggctcaggcc atggaacgac tcaatcaagc ggntatgggt 240  
atcgccgata tccgcctcgg cgctgaccgt atccttgaag ctatgttcgt ggcttcgcaa 300  
cctcgtcaca cagacatgcc tcttcagctc tttctcanag aagacgcctc catgcgtcaa 360  
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aatcacttag gtcaagaata actcttgggg gtctcacatg ccttt 465

<210> 10563  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-039-Q1-E1-G5

<400> 10563

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nnnnnnggcc aaaggcagag attctagcgc ttataaacct gagaagtgga atggaaccaa 180  
ggtaccaaga taatgtacct aaaggacttc tatgggaaga gatctcaact tcaatgaaga 240  
gaatgggata caacagaaac gctaagagat gtaaagagaa atgggaaaac ataaacaaat 300  
actacaagaa agttaaagaa agcaacaaga aacgtectca agatgctaag acttgtcctt 360  
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na 422

<210> 10564  
<211> 422  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-039-Q1-E1-G6

<400> 10564

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ttgatcaagt tcagcaccce acnattgcgc agaaagctgc cgggcagttc atgcgttcaa 180





gccttgattg caccgtacat aggaacttct tcggtagcca gattcaaagt tttgaagctg 480  
 atatc 485

<210> 10567  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-039-Q1-E1-H4  
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 tcattctctca accctcatat cgccgtgttt tctcgctcta gtaccgagag ctccggacgaa 180  
 ccaggaagca atccgttaat ctagaagcgg tgttgagaag atgacgatta catcaaatat 240  
 ctctgtacag aacgataacc tcgttggttca aggggaagact atccttacca aaatccctga 300  
 caacattatc ctactccgg ttaccggtaa tggattcggt tccgggttcat ttatangcgc 360  
 gacgtttgaa caaagcaaga gtcttcatgt gttccccatc ggtgtattgg gaggggtcttc 420  
 gggttcatgt ctgtttccgg tttaaac 447

<210> 10568  
 <211> 441  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-040-Q1-E1-A11  
 <400> 10568

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 ggggtgaaga aaagtgtatg tatgacaaga tatcaatcgt atcacttacg tcaaattcga 180  
 ngtatgtgaa ggaagacggc caagtcgtaa caactgaata tgggaaaatc attcaacaac 240  
 ccaaanagtt tgtacttcaa tatccggacg aacatatcat ancgggtggaa ggaaactatc 300  
 gcggagtggc tctatgtgcc acagnagtga tcacaaacct cgtcttcaag acctcaaagg 360

gtaganaagt caccactgtt tggtncaaaa cttgccttgg aattacgacc nggtncaaag 420  
nttccgtaat tggagggntg g 441

<210> 10569  
<211> 384  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-040-Q1-E1-B12  
  
<400> 10569

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taatttagcg caatgtgaaa gcaaaattta atagttaaaa tanattaang tttggataat 180  
aaatggagca tganaattgc agatacnact cgctgcacca cacgcagttc cggaccaact 240  
actccctent catgcccttg tatgactaca tctacggcac aatggatgan naggcacggat 300  
acgttgtacg agaaaactcn anannagagg agatgatata gtgggangtg gtgcacntaa 360  
ctcacctgac ggacgccaga ancc 384

<210> 10570  
<211> 464  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 10570

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atctatcttc cccgagtaga tttgaaatgg ctgctcctcc tgctacagct cgtgctgatt 180  
angattacct cattaaactt ctgctgatcg gagacagcgg tgttggttaag agttgccttc 240  
tcttacgttt ctcanatgg ctcgtttacc accagtttca ttacaactat tgggattgat 300  
tttaagatac gggncatttg acctcgatgg gaagagaatt aanctgcaaa tctgggatac 360  
tgccggacag gaacgggttc ncacaatcac aactgcgtac taccgtggag ccatggggat 420

tttgcttggtg tatgaagtga ctgatgaatc atctttcaac aacn

464

<210> 10571  
 <211> 411  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-040-Q1-E1-D11  
 <400> 10571

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 ggattgaaga agaggaaact anaccggagc aacaggctag cttctcagct ttttttgaaa 180  
 aaccgagggt ctcatgtgtc tcccaaacac tattttcgcc tgaacgatga aaatgcggat 240  
 atggttcgcg tgaaaaacta tttggatgct caatactang gtgacattac cattgggtac 300  
 tctcctcag aagttcactg tgatctttga tactggtagc tccaatctct ggataccatc 360  
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<210> 10572  
 <211> 460  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-040-Q1-E1-D12  
 <400> 10572

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 tcttcctcc ctttcagaag tacatcacta aaggatatgt ctccgaaaca gagtcaggca 180  
 aaagacttgc tcagggtgtg agtgatccaa gcttgacgan atcaggggtt tattggagct 240  
 ggaacaatgc ntcggcttct tttgagaacc agttatcann aagaagcaag tgacgttgaa 300  
 aangctcgta aagtgtggga ggatcagntg agaagctcnt gggcttggnc naataaactt 360  
 gaantctgtt aaatttgatg acacctctcg gtaccaatcg anagaaatct aagtgaattt 420  
 ccggggattt ttagatatct gattccgttg ccgangtttt 460

<210> 10573  
 <211> 467  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-040-Q1-E1-F9  
  
 <400> 10573

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 cacctcggtc tcaatcagag ttgctttcgc cgttgtcgtg taccctgtc tgggtgtaca 180  
 atacatgggc caggcagctt tcctgtcaaa gaacctcggg tctattccta acagttttta 240  
 cgattcagtc ccagatcctg ttttctggcc tgtctttgtc attgccacac ttgcagccat 300  
 tgttggcaag tcaggctgtg ataaccacta cgttctcaat aatcaaatac tgccatgccc 360  
 taggggtgctt cccacgcata aaagtagtcc atacttcgaa acatatatat ggacagatct 420  
 atatcccga gatcatcang atccttgatg atccttactc ttgcaat 467

<210> 10574  
 <211> 451  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-040-Q1-E1-G11  
  
 <400> 10574

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 gcttcgggtg tgagattttc ccaatcgccg gcaagagtgc caccggaatt tgaaccagat 120  
 atggagaaga ttaaaccggag gctgctcaag tacgggtgtg atccaacccc caaaatcctg 180  
 aacaatctcc gaaagaaaga aattcaaaaa cacaaccgtn gaaccaagcg cgaaaccgag 240  
 tccgaggcgg aggtgtatac ggaggcgcag aaacaatcaa tggaggaaga agctcgtttt 300  
 caaacctta gacgggaata caagcaattc acgacgtcaa tttctggaaa aaggggcggc 360  
 gatgttggtt tgatggttgg gaatccatgg gaaggaatcg angagagtga agctgaagga 420  
 nctcgtagt ggcgttcgga gaagaanagg t 451

<210> 10575  
 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
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 <400> 10575

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accgctgtat caacgtatatt cagctacggc ttgcttttcg cgtttgggtca gcttcgcat  180
tactctcgcc taatcttcga ttggtggcgc accaacaatc tccagggata cgctccgatc  240
tgcttggcgc atgaggattt ctacatccga cgattgtatc atcggattca agactgtttt  300
gggacgtccc atttcaagtg cacctgatgc ttgggattga tgtggttgan gagagtctct  360
gacgataaca acaagacgtt aaaagcgaac tacaaagact agcaggtgcc               410
  
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<210> 10576  
 <211> 473  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10576

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ggtggaaaga aaattcagag gagaagccac aangtgaaga ccctgaagca gcaactgagg  180
acagtgtccc tgggtgttttg tatgatttac tacagaaaga agtagtttct ttgaggaaag  240
cctctaataa aaaggatcaa agcctcaaag acaaanatga tgccatcgag atgctagcga  300
aagaaggtgg aaacattaac aaaggcaatg ngagggtgaa gcaaaagaaa gatgagacgg  360
gaangtagct gcaatggaaa aagaagttct gcaatgcntg tggagaaaga tnaggacgcc  420
agagccaaaa ggtttttcaa tagcaaggag cccatncaac accggccaag ttc               473
  
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<210> 10577  
 <211> 426  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10577  
  
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 cggttcacag ccgtgttcgg tttcggaag aagaaggcag cteccaaaaa nagtgccana 180  
 aagacggtga ctacngaccg gcctcttttg taccangcg ccatttctcc tgantggctt 240  
 gatggnctct tggttggana ttacggtttt gateccttcg gtttangcaa acggnncgag 300  
 tatcttcaaa ttengagatc cattcactaa gaccagaatc tggctaagna acttggcccc 360  
 gagacntgat tcggnanccc gttacggnaa gcctgccgac gcccaaatcg acgccggttt 420  
 cangcc 426

<210> 10578  
 <211> 465  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10578  
  
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 actttgaggt atgatgcgcg cgaaggtgac ctggaacgac tattcaggaa ataccgcaag 180  
 gttgagaggg ttgatatgaa agctgggttt gcttttgtat acatggaana tgananggat 240  
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 cgtgttgant ggacaaagag tgaacgtgga ggtgataaaa gatctggtgg tggttcaagg 360  
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<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-039-Q1-E1-D2  
 <400> 10581

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 ccctcaatgc cttcanatca agaangatat cattgctcga aantggacta nggtgggcag 300  
 cttataaggg ctgttgtagc ttggacctgt cntcaagttc ctggtgcttc tatgtttggt 360  
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<210> 10582  
 <211> 467  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 caatgagaga gtgcatttcg atccacattg gtcaggctgg tantcaagtc ggaaatgctt 180  
 gctgggagct ttactgtctt gaacatggca ttcagcctga tggccatatg cctgntgaca 240  
 anactgttgg tggnggtgat gatgctttca acaccttctt cagtgaaacc ggtgcaggta 300  
 agcacgtccc aacgtgcngt ctttggtgat ctgagccaac tgtgatcgac naggtccagg 360  
 actgggtactt accgtcagct tttccacctg aanaactcaa caagtggtaa aagaangncg 420  
 cctgctacca atttcgcccg gtgggtcatta caccattggg aaaagag 467

<210> 10583  
 <211> 407



<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10583  
  
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 tgaagatgag gatggtcggc gttctaancg ngtcgagatc gcatcacngt tcacgttcta 360  
 cgggacagan agagggatag gcatngaagt agcaggggagc acagana 407

<210> 10584  
 <211> 464  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-039-Q1-E1-E3  
  
 <400> 10584  
  
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 caacctccac ggccgttgcc ggaaactgat tgtcccgctc cgccggagca gcagccaatc 240  
 aacgagtatc aatctctctc cacctctttc cttttctctt gggcttcagg agatctaadc 300  
 gagtactcta ccagactttt cttaaccggc gcttctttcg catttttcgt cgggttaccc 360  
 gtttctggt tcggatccat cggacccgaa tatgaacctg ttaagaggat tctcgccgcc 420  
 aagctctann cgggatcttc gttgtcacgc cttgctgtcg taan 464

<210> 10585  
 <211> 448  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-039-Q1-E1-E5

<400> 10585

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aacactaata agagcagaaa ttggagaaga aggtatttcg cagttaatag aagaaaggat 180  
aacagccagg aagaataaag atttcgcgaa aagtgatgag attagagaga aactgacaag 240  
aaaaggaata gcgttaatgg acattggcaa agaaactgta tggagaccat gcttccttct 300  
tcaggctgat tccagcact tgagcttaga gcagagtcac ggagatagtt aacggtttct 360  
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ttttggaatt gtgcaatgac ttcaaaat 448

<210> 10586  
<211> 432  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-039-Q1-E1-E6

<400> 10586

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ggaaaatctc atgtggttgt tggctctgct aatgttattt acttatctgc tatattgggt 180  
cacgaaggac ccaatcacia atgtgattgg aaatgagaga atgagaatgt gtgtgggaat 240  
atgtaccgtt gcaactaac tgggttgact catgtttgtg acaagaactg caaccaaaagg 300  
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ancaaccttc tg 432

<210> 10587  
<211> 447  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-039-Q1-E1-E7

<400> 10587

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acagagagag ggcagatttt ttccttctct atctctttca gagagagatg gaagaaagtt 180  
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tgcttctgtg gctccgtaa tcttcgtcgg tttcgctgt gtaaccctcg ctggttctgc 300  
cgcaagcatt agtcgtaagc accccggttt tcatcatatt tagtcctgtt ctcgtagcag 360  
ctacgatagc cacggttgtc ttggcgacag gattcacggc cgggtggctct tttggagcga 420  
cagcacttgg tctcatcaag gtgggct 447

<210> 10588  
<211> 417  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-039-Q1-E1-F10

<400> 10588

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ggagaagnta atcacagaga nagctgcaaa gcttgcgact ttggagcagc aattggcctc 240  
tacgcgtgcg gaattaaang aaaantgcgt tgaaggtgga ccaatgttcn tcanaagcan 300  
aagacgtgag gcttcaaagc tcgctcctga atgagaanta tgaatctgtg aaatccgcat 360  
ctgagttact tgaaactgag acaggagacg ttaaagccga agaggaanga tgattgg 417

<210> 10589  
<211> 473  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-F2

<400> 10589

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accaaaccga tctctgtaaa acggaaaatc ataactctag cagctccaga gacactcacc 180  
gctgaaacag tcaccggaat tgatacttcc gacaacactc cacaacaaac aataaagggtg 240  
gtgaagccag atgagaaatc aagagtggta ctcaagtttg tgtggatgga gaagaacata 300  
ggattaggat tggaccaaca tgtacctgga catggcaca tcccacttag tccttacttc 360  
ttctggccta ngaaagatgc ttgggaagag cttaagtcta ctcttgaagc taaaccatgg 420  
atctctcaga aagaagatga tcattcctct aaaccaagcc actgatatca tca 473

<210> 10590

<211> 490

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-F4

<400> 10590

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ctgctctcta caatcctcga actgtcgaag aagttttcan ggatttcaaa ggtcgtcgta 180  
ctgccattgt caaagctctc accaccgatg ttcaagagtt ttaccaacaa tgtgaccctg 240  
agaaggagaa tctttgcttg tatgggttac cgaatgaaga atgggaagtg aatttaccag 300  
ctgaagaagt gcctcctgag ttaccagagc cagctcttgg tattaacttt gctagggatg 360  
ggctctctga aaaggaatgg ctttcgcttg ttgctattca cangtgacgc ttggttactg 420  
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<210> 10591

<211> 463

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-039-Q1-E1-F8

<400> 10591

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 gcaatcagag tttcttgaat tgcgtcaacg gattaaggaa tcgattagga cgaagatgca 180  
 aagcggagat actattattg ctccaacctc acagacacag ttacatcaga gcaaaagtaa 240  
 tcttccgtac gactttgggt ccttttttgg tccttctcag actgttattg cttcaagagt 300  
 cttacaagan agcaagcctc ttttagaaaa cgagacatca gcagctaaaa tgtttaaactc 360  
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<210> 10592  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-039-Q1-E1-C10

<400> 10592

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 cctcgagaca aaggcttttc ggatgtctcc cttatgatat agatctcaat cccctangca 180  
 ttgtaatggc ggaattgggt gggacattca ttctaattgt cagtgtgtgt ggggtcataa 240  
 gcagtaccca attatccggn ggccacgtgg gattgctaga gtangcccgt caccnctgga 300  
 ttatctgtgg tgggcgtngt ttactcaatc ggannnatct ctggngcnca tcttaancct 360  
 tccancanna ttgcnttcgc cgtccttttg cgggattcnc gtggg 405

<210> 10593  
 <211> 451  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G10

<400> 10593

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gaagttcttg aagcagaaca aggcctgat ccttcttcaa ggacgttacg ccggaaagaa 120  
agccgtcatc atcaaactct tcgacgacgg taaccgtgat cgtccttacg gacactgcct 180  
cgtcgccgga ctcaagaagt acccgagcaa agtcatccgc aaagactcag ctaagaagac 240  
agctaagaaa tctaggggta agtggttcat caagcttggtt aattaccagc atctgatgcc 300  
tactcgttac aactcgacg tggatctcaa ggaagtggcg actcttgatg ctcttcagaa 360  
gtaagggata agaaggttgc tgctcctaan gaagctaagg ctaagcntga ggaanaggtt 420  
tcnaaaaccg gtnaagaaca gattggttct t 451

<210> 10594

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G2

<400> 10594

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taaatatgga aatttggtgt anacatatta aatgcgtgag tcagtgttga agaatacgca 180  
tacatattgt aatttttgtt tttgagaaca aaccagagta ttcgcttcat anttctgttt 240  
ttcgaggtga ccaaattttt tttcattatc taattaaaaa cntgcacata ttgacatgca 300  
tatgcatata tagtactcct ttgacaaaa atgagtacaa tctctttatt tgnnttaaat 360  
ttgtaaagtg gtgaattgtg atcctgctat atacacagaa tttatttttg antnaaatag 420  
aggagaataa ncatatttgc gtgtanaaat acatta 456

<210> 10595

<211> 456

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G6

<400> 10595

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atcaagtgat cagactggaa attcatcagg atgggacatt ctcagggtcaa tttctaaggc 120  
aactagttat catgtttcaa ctctaattt tgagagaatc tgggtgggaca aagggtgtga 180  
tcttcgaaga cctgtctcaa tatggaggcc tgttcacgt cctgggtttg caatattggg 240  
tgatagcata actgaaggat tggagccacc ttgcactggg aatactcttc aaagcagatg 300  
actctgagat tgctgcaaaa cctgtacagt tcaataaagt cgcacatatt gtggggaaag 360  
gtttcgatga agttttctgc tggtttctcg ttgcacctcc tggttatgtt tcnctagga 420  
tgtgttctcc tccaaatttn gaatgaaagc gcctca 456

<210> 10596

<211> 441

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-G7

<400> 10596

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tcactaggaa gtggacaagg cttaaaccgg ctgggtgagcc tccgtctcct agggctgctc 180  
acgccgcacc tgcanttggc accatgggtn gtttttcagg gtggcattgg accggcgggg 240  
cattctactg atgatcttta cgttcttgac atgactaatg ataagttcaa gtggcacagg 300  
gtggtgggtc aaggggatgg tcnaggccct cgctatggcc atgttatgga tttagtttct 360  
canaggtatc ttgttacagt cacccgaaa tgatgggaan cganctcttt ctgacgcctt 420  
gggcactggg ttacagctca a 441

<210> 10597

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-H6

<400> 10597

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ccgatctacg acaatggcgg acgctgaaac ctttgctttc caagctgaga tcaaccagtt 120  
gcnttccttc atcatcaana ccttttactc taacaaggag atcttctctc gtgaactcat 180  
cagtaactct tctgangctt tggacaagat tagattcnag tccttgacgg acaagagcaa 240  
gctcgatggt cancctgagc tcntcattca catcattccc gacaaagact aacaacacct 300  
tgaccattat tgantagtgg tattggnatg accaaangct gatttgggtc aacanccttg 360  
ggnacaattt gcaangattc tggganncca acngaagtca atgggaagca cngggctgct 420  
ggaagccgga tgtnaacca 439

<210> 10598

<211> 470

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-038-Q1-E1-H9

<400> 10598

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agatcaacta tttacatgga ggaaacctaa cgacaaggga gaatttgagg aggttgagat 120  
cacagtgtc aattactata aagagcgtaa cattgaagtg cgttattcag gtgacttccc 180  
ttgcatcaat gttggtaagc cgaagcgtcc cacttacttc ccattgagt tctgtaatct 240  
tgtgtctcta cagcgataca caaaatcgct taccaatttt cagagggctg ccctanttga 300  
aaagtctagg cagaagccac ctgaaaggat ggctcggct aaccanaggt ctgaaggaca 360  
gcaattacaa tgcccgacce cggatttgcc aaatagtgcg tgtagcatt natcaccaaa 420  
ttttanccaa anttnaanng gccgttatcc taaccagagc nccaaattgc 470

<210> 10599

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations



<223> Clone ID: LIB24-039-Q1-E1-A11

<400> 10599

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ttaaaatggc tacagaggag atagacatga gttattggga cgtgtcatgg ggaganttca 120  
atgaagacaa gaactcgtct atcttctgcg agtcacaccc tcacatagta aattcgcacg 180  
ggatatggga ggttatgact ttcangagag ggatgaactt ctgggaatat ccgctcccga 240  
atcncgagat cttaancttt tctacttttt ttatatggcg gcttcnccac atctcattca 300  
acaagaattg ggtcttcgag gtacctagnt tcanatatat gatgatcggc aagggataan 360  
tttagngtca aactttgcca nttcagcanc aagtcgtgga tccatgnca 409

<210> 10600

<211> 439

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A4

<400> 10600

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ccttttcggt tgccactttt tgatcaagcg aaactccaaa acacagagcc atgccgccga 120  
agttggaccc gaagccagat cgtcgatgtg tacgtccgtg taaccggagg agaagtggga 180  
nccgccagtt ctctagctcc aaagatcggg cctctcgggc tcgcaccaa gaagatcgga 240  
gaagacatcn cgaaagagac ggccaaagaa tggaaaggac ttcgtgtcac cggatgaagct 300  
gacggttcan aaatcgncaa ngctaanctg aaccggtggn tccatctgct gcagctctcg 360  
ntcancaang gcnttgaagg agccagagag agaccnnttn aggaaagtga aganacatta 420  
aagcatancg gtaacatct 439

<210> 10601

<211> 409

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A6

<400> 10601

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ctggctaggc tcgctgcgaa gcgtcttctc gagatccgtc aagttttccg tcaaccaacc 120

tctcaggtga ctcgtagctt atcgacggcc ttaactacc atctggattc tcttgataac 180

aaacccgata ttccatggga gttttcagag gctaaccaat ctaagggtta ggagattctc 240

tcttantanc catccaatta caancagtc gcagttattc ctctcgnaga tcttgacaaa 300

cagcagaatg gaggtgggt cctgttttca gcaatgaatg cggttgcnaa aagttataga 360

acttgccctc anccggtggt ttatganggt gcaancattt tactcaatg 409

<210> 10602

<211> 390

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A8

<400> 10602

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ngcttgata anggtcttgc tccactctgg ggacgtcaga ttccttacac tatgatgaag 120

tttgcttctt ttgaaaccat tgttgagatg atttacaant acgcaatccc caacccaaag 180

agtgantgca gcaaaagtct gcaactcgga gtgagttttg ccggagggtta cgttgccgga 240

gtgttctgtg ccancgtttc tcatccagca gacaatctaa gtgtcattcc tcaacaacgc 300

taagggagca accgttgng atgcggtgaa gaacantggt atggtgggac tgttcacaag 360

aanggentcc ttcttagaan tgtgatgatc 390

<210> 10603

<211> 433

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-039-Q1-E1-A9

<400> 10603

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aattcgaagt taaacctgac aggttttccg ttatcaagga aacagtcaca aaggcatacc 120  
 aaaataacan attccaacaa ccacatgaac aagcancgaa ttactgctca ctagtnttac 180  
 aaggatcana tttggccttg gacagaggaa ctagatgctc tttctcattt ggnagctgaa 240  
 gacttggcta atttcgttcc gatgctanta tcaangacat ttgtttgaag tgctanatag 300  
 caaggggaatg tttataagga cgaacctgag tcaatggta aagcataatt gnagaatgtt 360  
 cctttttacc ngactcnaaa anctatttgg ccgnccgtta nttncaatcc cagttcctgg 420  
 acaaataagg gnt 433

<210> 10604  
 <211> 410  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-039-Q1-E1-B6  
 <400> 10604

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 cctacttttg aattttcaca tgggagaaca atcaccttct caaccatcga ctcaatgccca 120  
 aagtcaccca caatcaccca aacccgatac tcataaccta atcccaccgg aatccaccga 180  
 tgaatgtctc gattcagctg gagtttcagg ctcaatcgctc tcacttacca caatcgacgc 240  
 tcgacggatc actgaactag gcantgtatc gtctccgccg tccaaaatcc ctctccgcc 300  
 tcggaaaatc cggaaactca cactcgacgg agacgtctcc ggtganagat nanaangcgg 360  
 gaggataten ncncatctca agntaaactc tcggctcgcn aacggatgga 410

<210> 10605  
 <211> 417  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-039-Q1-E1-B7  
 <400> 10605

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 gatggggaaa agaggaaggg cttgtgtagt ggtacttgga gatcttggtc gaagtcctcg 120  
 gatgcaatat cacgtctttt ctcttgctcg tcaggcatca tttcaagtgg acattgttgc 180



gtggtgattc ttcttcgtct tcntcatctt ctntntntntn nntntntntnt nntntntntnt 300  
 nntntntcct cttctccttc gtcttctatg aaatcgaaag tttaccgctt gttcggacna 360  
 gagcagctgt tcataangtt ctcggcgggt ggaaagccgg ctggatanat tcatgtggaa 420  
 agancaacga agatgtcngg tngtgnacc ttngatgggtg nctanactg gcntggggtg 480  
 ttgtttgaat ttgaaa 496

<210> 10608  
 <211> 503  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-037-Q1-E2-B8

<400> 10608

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 tttttgcttt ctctctttat atattttctt ttgttgaatc tttctctttc acattttcct 120  
 tcgatttcag ctcaaaggac taaccatgaa aacttctca agtgtctctc tcaccgaatc 180  
 aacgaggacg actcaagaat catacacaca tcaaaagatc cttcgtatctt ctcaatcttg 240  
 aattcttcca taaaaaatcc aagattcttt gttctcgaaa cacctaaacc ggtttcaatc 300  
 atcactccgg ttcaagccac cgatgttcaa tctacgatta aatgcgcacg gcttcacggc 360  
 atacacatca ggactaggag tgggtggcat gactacgaag gttanactta catggctaaa 420  
 agcagaccgt ccgttgtcat tgatttgana atcncgggt ccaatacatt agaatgttga 480  
 taaccgggac cgggttggtg tca 503

<210> 10609  
 <211> 510  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-037-Q1-E2-C10

<400> 10609

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tctttcgact ttaagggttt cggagcttag ttttacnaca atttcgtttg gaaaagagct 180  
 cttatttgat gttcatggcg tctctctcct tcagccaatt cttatcattc cccagatgca 240  
 atgcanatgt tccttgtctg ctccagtcgc atgggtttgt gaagtttaga ggtnaaagat 300  
 ggaatgggaa acatagcttt tctatggctg ctgggtaaga gaaagttatc agaagtcngc 360  
 aactcttgaa agaagaaggt aatgatngga nacggtgccg gttgtnggga aaagaaacca 420  
 tccaaaaagt gnttacaaga accaaccaan gancaaaggt tgtnggttaa aggatgaacc 480  
 aattaggang aaaatttcct gaanttttgg 510

<210> 10610  
 <211> 506  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-037-Q1-E2-C11  
 <400> 10610

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 tgagcaatgt cnaattaagc gaggatcctc aggctgcaca gtttcaagct aaatcaagtg 120  
 agaaacccaa tagaaagaag attcanaang gtaaggaaat aaaaagctct ccagctgatg 180  
 gtaagctgag tgggaagatg aagaagagan aagagaaagt aggcaatgtt gatataagcg 240  
 aaccgattct ggaagctatt tcaactgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntc ttcagtcgaa gatctgaaaa 360  
 gagaaagcaa gtttaagaaa tcaaataaga aagaaaaaag attgacattg acctcctaan 420  
 aaaagagaac aaaatttgaa gaaggangga aagatgttta acaaatttcc tcaaggcgat 480  
 naaggantgc acaaggggaa tgaaaa 506

<210> 10611  
 <211> 522  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-037-Q1-E2-C2  
 <400> 10611

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ctgggagcta aantttcgaa ttgagccttt atcgggtcca agcctggggc taatgggatt 180  
aatttgtgtca aacgaaaggg cgaaagtcac aaaactcaag cttgacaatt actctgggag 240  
ctgggggtttg aatcaagaag caaatacttg tttgggtaaa gtctctatcc agattaagct 300  
tgttgagggg tgattcagca aggaacaagt cactgctttc tacatgtctt caagatgggt 360  
ccgaaaccac aacgaaattc gattttgaag ttcttaaggg aaacactacc gggcgaagcc 420  
ttacataagt cccaagaaca atatcctacg ttaaacngga gtttggnaac agangaacaa 480  
aagactcaan cctttggtcc gattccaaca actgaanttt ca 522

<210> 10612  
<211> 483  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-037-Q1-E2-C4  
<400> 10612

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tgagatcttc agcgggaaag cttctctccc attctctacg gagaaaccgc gggaaacttg 180  
gtgatggatt ttggattccg gctacgaggt ctgagaagat gtggaattcg acggtaccgt 240  
cagatgaaaa tctgatcaa aattcgatcg atgcaggatc ttcaatgcgg aaaccaatta 300  
gcttatggcc tggaatgtat cattctccgg tgactaaatg cgctttggga agctcgtcgt 360  
aatatgttcg aaantcccta accggagacg acgcttctca gtcaaaattg acggctaaat 420  
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tcc 483

<210> 10613  
<211> 473  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-037-Q1-E2-C7

<400> 10613

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 tcttgacgga caagtaacga gtggtggttc gacgatatgt caattctcgg gccaaaaatc 180  
 attgaaaagc tgataaatac acttggtgcg catgataaga acaatgacag cttggtcctc 240  
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 gagtattcag gtttagctga tacagcgggt caaggaagtg gttttcgcaa cgaaaaccgc 360  
 gttttcatgc agaaaaatgt tctgggttct gcgagtttta tcgggattta gcataagtna 420  
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<210> 10614  
 <211> 486  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-037-Q1-E2-C9

<400> 10614

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 cattgacgga tggcatgata aagggttgcaa acacttactt tttcaacaca acagaagaat 180  
 tggagtttag ctggacaatt catggggatg gtcttgaact tggatctggg actctctcta 240  
 ttctgtgat aaagccacaa aatagttttg agatggagtg gaagtcaggt ccatggtttt 300  
 ctttctggaa tgactcaa atgctggagaat tgtttctgac aataaatgcc aagcttttaa 360  
 atcttactcg ttgcgttgaa gccggtcacc tttgtcttca acgcagattc cttaccagca 420  
 aaaggacaaa ttataccgca aggcataaaa aagacagaca ctatatcact tgtgaaactg 480  
 ttggag 486

<210> 10615  
 <211> 614  
 <212> DNA



<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E2-D10

<400> 10615

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cttttgaagt tccagaactc agctcttagc tccagatcag gtgcgtcgcc gcggttctcg 180

gcgaagacca ccggtgcttc ttcattcttg tacttacctc ggtacgcang aaagaggcga 240

accgattcaa tcggaagatt gagagttgca actgaaggat gcctcctctc cttccaacgg 300

tgatgtcccc cgatgaatta actaatgccg ttccccggga ctccctttcc aagaatgcct 360

aangccaagg gaagggaaga atttaaagga aaaagccctt aacnaanna acctgggtaa 420

tggaaaaant ccgnttggcc caattccan nnaacccttt taaatttggg gccaaatggg 480

aacccccccg gaaaaacccc ancnaaaan tttttccng gccaatnggg tttccaantt 540

ttaaanccga aatnantccc naantggaan gaaaatttcc cccaaanttt tgaaccccc 600

ctgggntttt ccaa 614

<210> 10616

<211> 498

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E2-D5

<400> 10616

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tgcggtgtgt tgatcatgcc gtctcacctg atacctctgt gctaagtgtt gtactcaagg 120

cttgtggtea aagctccaat attgcatatg gagaatcttt gcatgcttat gcggtgaaaa 180

cttcgcttct cagnnctgta tatgtgggaa gttctttact ggatattgat aagagagttg 240

gaaagattga taagagttgc agagtcttta gcgaaatgcc ttttagaaat gctgtaacat 300

ggacagcnat tattacgggg ttggttcacg ctggtcgtta caaggaangg tcttacgtac 360

ttttctgaaa tgtagagatc ggaacaacta tctganacnt atacctttgc tattgcctga 420

acgcttgtgc tggnttacgt caagtnnaan acnggtnatg gcgattccat acgcangntc 480  
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<210> 10617  
<211> 498  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-037-Q1-E2-D6  
  
<400> 10617

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tttcgtctcc atggcaccg tgagggggat tcttggttg caaagggcag tgtccatttg 180  
gaaggaaaagt aacagactga ctccagcttt gagatcattc agcactcaag ctgcatccac 240  
ttccaccact ccacagcctc ctccacctcc tccgcctccg gaaaagactc atttcggttg 300  
tctcaaggat gaagatcgga tttttactaa tctctatggt ctgcatgacc catttctcaa 360  
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gcctttttca aatttccctg gaaaatctca gattctcgga aaatgcttgc gattgcagag 240  
attctcttcg atttgcttat cagctagcag agaagacgta aaccatctg aagaattcgc 300

tgtgatactt gaggttgata agggttatga ttgatacatg gtcaaagtaa tcgccaagcg 360  
 ttcaatgtag ctttcaaaaag cttgggctag atgtgcaaaa ttggcctgaa ccagttaatc 420  
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 cgggntttca atgtccggtg ntgatttcaa cactgacgtc aacgtanctt ggggaaatgg 180  
 gcgtgggaag atactcaaca acgggcaact tcttactccc nccttagaca aatcctccgg 240  
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 aagcttggtc cctggtaact ccgcaggga caagtcacca actttttacc taaaaatccc 360  
 gaaggattca acttgggaat gagaattgat ttngagtcc ttgggggaaa taatgaantg 420  
 ggngattccc taaaactttt tnaacacca aangtttaca anncaanggt aaangggggg 480  
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acacgatggt gtgacgaaga tatacgtagc agctggtggt cttggaattg aacaaatcag 240  
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 ttggtacgac tctaccaata tcattcaagg aattcagttt aaatccaaca aacacacttc 420  
 ccagtacttt ggatatgaat ttttgggaaa tggtagacaa ttttcacttc aagttaatga 480  
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<210> 10621  
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<223> unsure at all n locations  
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 tatgagattt atatcaaaaa acattgagga gctagagaga aagagagagt gtgtgtgtag 180  
 aaaaagattg aaacatcatc aagattgatg gagcaaggag gaggtggtgg tggtaatgaa 240  
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 ttatgagatt ctcaagccgc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
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<223> unsure at all n locations  
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cagatgttcc ttgtctgctc cagtcgcatg gttttgtgaa gtttagaggt gaaagatgga 240  
 atgggaaaca aagcttttct atggctgctg gtaggagaaa gttatcagag tcagcacctc 300  
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<210> 10623  
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 <223> unsure at all n locations  
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 gaagcggctc gccgcatccg taatgaaatg cgggaaagga aaagtttggc tcgaccccaa 180  
 tgaatcgggc gatattctta tggccaattc caggcagaac attaggaagc ttgtgaagga 240  
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 a 481

<210> 10624  
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ccgactctta tttcttatct tctttgctca naaacttctc tcaggcgaat tcaagtttca 240  
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ttttcggctt tatagtttgt cnacgcttca tgttggtgtt gttattanaa ncttgtgttt 360  
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gaccttgtgt ccatctactt tgtccaaagt tcaagctttc ccttaccttg aagtctctag 180  
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catctgcaag agctacatcg actttcttgg gggcgtaag ttttctgcct ccagagatgt 300  
gtttcacgtc gttcatgtca aaatcacttt gatgaccaag gcnatggta ttgcacaagc 360  
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gc 422

<210> 10626  
<211> 524  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 10626

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aaaatggaga aagcgatcga gaagacaacg cgttctcctt gagcatctcc cgaaccntcn 180  
tcttcttctt tcgcacaatt tacgaaggct tctcctatcc tgccttctgc ttgcntggct 240

gggggacagt gctgcatatc aagaggacct ctctctatgg aagatgatgt tgtcattgtc 300  
 gcggcacata ngactccact atgcaagtcc aaacgtggca atttcaaggg atacatatcc 360  
 cgatgatttg ctcgcanctg ttttgagggc attgatanag aagacgaatc taaanccaag 420  
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<210> 10627  
 <211> 485  
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 <223> unsure at all n locations  
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 tgcttccaaa agctacgtct ggggttaaacc caaaaagccc aagagcttct caactccgta 360  
 gaaaatcnta cgantcnagg tactcctctc ctancaaact aagctgaagt ctctgangc 420  
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<210> 10628  
 <211> 567  
 <212> DNA  
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 <223> unsure at all n locations  
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ttgcaagaag caaaagaaga aaagagactc acttgggatt ccttggtggt aagtgggact 180  
 ttgcatattg tcctaattgtt cntgggatct tgggcaaacc aaacactgtc ccaacttctt 240  
 cctctggagg cttactcaag aatgggatgt gatgaaacat caacaaccac tcgggctcaa 300  
 gactactcaa gactcaaaca aatccttctt ctgacgatac ttcttctctt ttgtcttctt 360  
 caagaaccag ttgagttaag atttcgaaag ccatcacaaa actccgaagc tgaaagatta 420  
 cgaaatcaaa accgtaaagt actttgaagc catgtgacat gtcctttgag tggagtnaca 480  
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 tcagagagag acaattgtcc cttcnaa 567

<210> 10629  
 <211> 448  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 10629

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 gtaaattcaa cggtgtcttt tgcaaacaat tctgcaagaa ctggtgtaga agaagtggta 180  
 aatccgacgg tctcttttgc aaacgactct gcgagaactg ttgtagaaaa agtgctaaat 240  
 ccaacggtat cgttcatcga tagccagctc cagcggccac gggacgtcct tgtgcaacaa 300  
 caaatcctag acaatctcca agaatcgaat ggttcgaatt tccctgggga tgactaccac 360  
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<210> 10630  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-037-Q1-E2-A9  
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 ctggaacgcc cgttgtcaaa gtggtatcct cttacaatgc tgacgctcgt actttctctt 300  
 taaaattcag tcaggagata ctccaactcc caggccagcc aacaaaagaa cctacattta 360  
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<210> 10631  
 <211> 482  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-037-Q1-E2-B10  
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 tcgtactaaa ttcagcacia atttgttgag agatgtaaaa ctgggggctt cctgcaatgt 420  
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 <223> Clone ID: LIB24-037-Q1-E2-B12  
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ggctgcaatc ataattgcag ctgttgagtc agttattgtg aagctctagt ctgttcttgt 300  
ctcgcagtgt gtggccttat gcatatagca atgtggaagg aagttattag ttatgtgact 360  
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<210> 10633  
<211> 524  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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gattatcctt tgtaacttct ccatacacga cggtttcaac aaggaacca gtaacagatt 180  
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aactagttag aaatctctta accgtaaaag acgggtgggt aagggttaag gggtttgaaa 360  
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<210> 10634  
<211> 414  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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tgtgagttct cggttggtt atctcttcag gggaagccaa ctgttggtt cagtctagga 240

agtttttgtg cgggtgtgac agcagtcgag gaggctgtgg attgccccaa cgtctccaaa 300

attgcttctc aatatgcttc aatatttcan gaagtttata gaaaattcaa aattccaagt 360

ttggaatagg tttcaacata agtgggttct ggcggcaatt gacggttcca gagg 414

<210> 10635

<211> 472

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 10635

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cctcaaaaac cctacttttta ctcgagattt tgtctccgcc gccgagtacc aagtgcctcc 180

cgatctacgc cccaatccct aaatggctac ggaggctaca accgtaccca aattccagga 240

acctgatctc cggcaggttt ctgagacacc ggatttcaaa ccggaaatcg ctacgatgg 300

tcttaagttc tggcaattta tgattgctgg ttcgattgct ggctccgtcg aacacatggc 360

gatgtttccc gtcgatacca tcaangaccc atatgcaagc gcttcganca ngtccttaa 420

aaccgctcgg gatccgggga agctttccgt tcgaattatc caaaaggag gg 472

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<211> 453

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-037-Q1-E1-A11

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aagtctctag cttcgtcgag aagaagggtt agttcgcacc aaaaaccatt gcgttcaagt 240  
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ccagagatgt gtttcacgtc gttcatgtca aattcacttt gatgaccaan gcgatggtta 360  
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<210> 10637  
<211> 462  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-037-Q1-E1-A9

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<210> 10638  
<211> 399  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-037-Q1-E1-B10

<400> 10638

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 tatcttgtca atactaggat atcttcagct ttagttgtca gaattaccat cactttcata 240  
 gctggcatgc aatttagtgt ttatattctc tgtgttcttc taatgccatt tactctttcg 300  
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 aagattgaga agtccagaca aatcanagct acaaatggg 399

<210> 10639  
 <211> 394  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 agcttcgttt cttctccatc ggaactctgt tcccgggaact gggttcttga tcngagggtg 300  
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 <211> 468  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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cattactttg ctgtctgggc ttctacccaa ctcaaagctc gaaacatcgg ttatttcgat 180  
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 caccaatgtg gctaattgagc taggagctgg gaatccgcga ggggctcgtg attctgctgc 300  
 ggctgcaatc ataattgcaa gctgttgagt cagttattgt gagctctagt ctgttcttgt 360  
 ctgcgagtgt gtgggcctta tgcanagagc aatgtggagg aagtaannta gttangtgac 420  
 ctgatatcac tcctannent tgtatctcaa tcctcatngg acagcttc 468

<210> 10641  
 <211> 377  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-037-Q1-E1-C10

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gaaccgattc tggaagctat ttcaactgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
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 agagaaagca agtttaagaa atcaaataag aagaaaaaga tggacatgac ctctaagaaa 360  
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 gggtccttga agaaaaaac accaattcca ttcattttct tcttcatacg ttcaataatt 180  
 cttacgagga cgagatcttc ctaacgtctt tgatcttctt cattaggaga taagtctaaa 240  
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 attggagttt agctggacaa ttcattggga tgggtcttga cttggatctg ggactctctc 180  
 tattcctgtg ataaagccac aaaatagttt tgagatggag tggaagtcag gtccatgggt 240  
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aaatcttact cgttcgcttg aagccgggtca tcttttgtct tcaacgcaga ttcctttacc 360  
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tgtcgccgat gattactatg ccgttctcgg actccttcca gatgctacgc aggaggagat 360  
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gcaatttctt gcctttttca aatttccttg gaaaatctca gattctcggc aaatgcttgc 180  
gattgcagag attctcttcg atttgcttat cagctagcag agaagacgta aacctatctg 240  
aagaattcgc tgtgatactt gaggttgata gggttatgat tgatacatgg tcaagtaatc 300  
gccaagcgtt caatgtagct tttcaaaagc ttgggctaga ttgtgcaa at tggcctgaac 360  
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gcacagaaac tgggtggtggt cctctggtga tcaatcatgt cgcgtatcat tcaggtagag  240
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 agtggctatt gagatgatgc aaaccaaata tgcattctgtt cctcagctca aatatatgca 180  
 aatggatgtt agagatatna gttactttga agacgattcc ttgacacta ttattgataa 240  
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 acggtgatcc gaaagtgaga atgcctcatt tgactcnttc tgcgtacaac tggaagatct 360  
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ggtttgata atgctggtaa aacgacgacg ctttataaac ttcatttggg tgaagttggt 240  
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gaggtatggg atcttgggtg gcaagatagg ctaagaactt catgggcaac atactatcgt 360  
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<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-035-Q1-E1-B10

<400> 10652

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tgcacgcact ggggacaaca gggttttcatt atgtcgaatc ctataaatgt tgaggaagggt 240  
gataatctga atcttggttt gttaatgagc cggccaagg aaaatcacccg actaatggag 300  
attgagctta actgtgaaat aaaagaagca tctggttaacc ccaaagaatc tttcaagaag 360  
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<210> 10653

<211> 413

<212> DNA

<213> Arabidopsis thaliana

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 ttgtaaggga gtggactcga cgataattgg gatgatgcag aagggttatta cagttatcaa 360  
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 tacgaaaggt ttctagatat caaattaaca anagacaata acatcactac tgggaaaatt 360  
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gccttaggga tggatactac atccatgggc aatgtgctat aataatgttt gacgtcacat 360  
gcacgggtca natacaataa tgttccgaca tggcaccgtg atctctgcag ggtgtgtgaa 420  
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atttcttttc acatcgagtg aancagttag agccttacca tgtggtcact acatgcactc 420  
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cgaggaagaa gatcagagag tatgactcaa agagggttgg gaaggaacat ttcaaaaggc 180  
tttctggcaa agagcttctc atcanatccg ttcagattaa tgaaacaact gatctaaatg 240  
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gttgccacct ttgttaaaag aacgttttgg gaaaaangan gtannagaat gagntgggan 420  
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tggtaaacat ggcggtgaa gatgtttcaa gcaatttccg agctttggtg gagaacgcag 180

accggaaatt cgcaagagtt cgcgatcttc cggcgtttgg aaagagcaca gagtcattac 240  
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 aagctggtcg aagtccggtt taaaccgatg ggaaatcggc gagatcgca gccggattgg 360  
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<210> 10669  
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tgctaacaac gctaacaccg ccgttttacac cgcttttcacc gtttttcggcc ttttaggcgg 240  
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 actctacgcc ggatctttcc tctactacaa ncatcaccac caccaagcct tcgcgatagt 360  
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 <212> DNA  
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 ccggaaaatt cgatctcaaa ggacaacaca ntgtgattaa gaaggtagaa gacctcagaa 360  
 actagancgt tcaagttgnt tcannaaagt tttctattgg gtgagggctc tacttctacc 420  
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 <212> DNA  
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gcttcagatc cgcattaaaa aagctaagtt ttttgttatg tccttctttc ttatttgatc 180  
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 tatccgcagt catctgttca taggaaaaga tctggcttta cttttagaga ttatctcaga 300  
 tncagccttt tanccaattg aagtgtgcaa angtaagtac cccccacct ctgttctca 360  
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<210> 10672  
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 cttgctatgg aattgggttaa atctcgattc tacttatgtt gcaattgctt ttctcctgtt 240  
 agattttccg attattcttt agctggaagt gattatccag acgccatctc catcactttc 300  
 aattgtantc ctagancttc ttctgaagga ttctcgtat ttctcgattc gatgtttata 360  
 aacttcaa atctctttnaa atcttganac gaatttcncc caaaaatctc tgtttcttca 420  
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<210> 10673  
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 <212> DNA  
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ttgttttagta gagctggaaa catatttagg cagcctagag cgttgcaggc ctcaaacgct 180  
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 ggtaagtggg tttggaccgt gaaaagttgg tttatcaagg gggctttggg ttcggtaaca 360  
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 tctcgggatg ggatctgcaa gtttggtcca agctgtnaat ttgatcacc gatgcgagtc 300  
 ttcacttaca acaacaatac tgcatctcct tctccttcat catctctgca tcaaganact 360  
 gcaatcacca cagagctcag gaatctcct agtctctct tctgtggaaa gcaagaancc 420  
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<210> 10675  
 <211> 484  
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 angtttggtt caaatcatga nntttgggag gaatganttg gngccatctt caancnggaa 420  
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<210> 10676  
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 tcctgtggga cagtttctgt cacaagatat tangtgagcc atcctcatct tgttccagca 360  
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<210> 10677  
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 catcgccgtc gtgatgtctc tggatcggtc tttaccacct ccggtagaaa tcaacaccag 360  
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<210> 10678  
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 <212> DNA  
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 gaggtacttt caagttgact cttcacttca ccgaggatta tccgaacaaa cccccgattg 300  
 ttcggtttgt ttcacggatg tttcatccaa acatttatgc tgatggaaaag catttgcttg 360  
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<210> 10679  
 <211> 426  
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 aacnagagtc ncttgactga tctcttgctg ggttctgagt atgttgtaac ctatgaagat 300  
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<210> 10680  
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<210> 10682  
 <211> 453  
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 gctctttcaa agcccccaac ttcaaagttt gtcaatgtat ctcgttgggt caaccacatc 300  
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aagggatgcg gaagatgccca tccgagcact tgaccgcttt gaatttgggc gtaagggacg 180  
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<210> 10685  
<211> 462  
<212> DNA  
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<210> 10689  
 <211> 428  
 <212> DNA  
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 aaaagatccg gtctacgacc cgtaaccatc gacttgaaag atggaaccgt agtcaacttt 180  
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<210> 10692  
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 <223> unsure at all n locations  
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aacaacttat ctcttgagt gttcaacctc tatctctctc tctttctgcc atgaaaatgc 180  
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 ggatgctgcc aacaangagg catggagagc tgccatatga angcaaaagg taatcaatga 420  
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<210> 10722

<211> 438  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 agatcggaat ggagtataga actgtctccg gagttgctgg acctttgggc atccttgaca 180  
 aagtgaaggg tccaaagtac caggagattg ttaatatcgc cttaggagat ggatcaacga 240  
 gacgtggtca ggtcttggag gttgatgggg agaaagctgt tgtccagggt tttgaaggaa 300  
 catctgggat tgacaacaag tttaccaccg gtgcaattca caggagaagg tactgaaaac 360  
 gcctgtgtca ttggacatgc ctggccgnan nattaaacng gcccgggaaa anccaatnga 420  
 taatnggcct cccaattt 438

<210> 10723  
 <211> 473  
 <212> DNA  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB24-031-Q1-E1-F7  
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 tcaagtcaca ctatgttacc gactctgttt ccgaggaacg ccgctctcgt gagctcaagg 180  
 atggagacca tccctttacgg tacaagtttt cgatatggta cactentcgc acaccagggg 240  
 ttcggaacca gtcttatgaa gataacatca agaagatggt anaattcagc acggttgaan 300  
 gatcttgggc ctgctactgt caccttgctc gttcttctct cttgcctagt ccaagcagat 360  
 cttcangttc ttttaaggatg ggattcgtcc attgtgggaa ngatggtgcc aactgnaatg 420  
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<210> 10724

<211> 485  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-031-Q1-E1-D6  
 <400> 10724

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 ctcatttgct tttgtctca aacagcactt tcatggaaga aggaagagtt tcgcagctgt 180  
 gaccaaactc cattttgtaa acgcgctcga tctcgtactc cgggcgcgtg ttctctaatt 240  
 gtcggcgtg tttccatcac tgatggagat ctcgtagcga agcttctacc gaaagcgcct 300  
 aatcaaggcg atggggatca gatcaagccg ttgattcttt ctctctcagt ttacaaggat 360  
 gggatcgtgc ggcttaaaat cgatgaggac cattcgttga acccgccgaa gaagaggttc 420  
 caagttcctg atgtggtagt gtctgaagtt tgaggagaag aagatctggc tgcagaaagt 480  
 ancga 485

<210> 10725  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-031-Q1-E1-A8  
 <400> 10725

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 ggtggagaag attgtggttg tttcntaggg ttttctgaga gaaagcatgt tgttaactac 180  
 ggaagaaaag gagaaactct ctgtttctaa aggttctgaa attgaaatct cgtctcaaga 240  
 ntatgantân ggtagtggaa atgtctggta ttgtgtcatt ctggaagaaa atctagctaa 300  
 atcgaaacgg aagaagctct ctgtccgtca cttggattcn ctgctcaagt atnantantc 360  
 tcctccgtta atcaanacca ccgtgcatcg tttcatgcgt ccanttccgc cgccggattc 420  
 atttccagag gtcgantttg atga 444

<210> 10726  
<211> 464  
<212> DNA  
<213> . Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-031-Q1-E1-B10

<400> 10726

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gagatcaaac gtaactcaca aaatgctctc gtttcttata ccagttgtac agttttttca 180  
ggtggttata gctgccgtag catctgtagt cttcttagtg ttccgccgta taaccttcgg 240  
tgccatcaatt gtgggactaa ccatagccac accgcttttt gtcattctca gtcgattct 300  
cgtaccagcc actatagcca ctactttcct aagtcggagg ggctaccgct gcagttgccc 360  
taggagtgac ngcatttgct ctcatctttt ggctctttta acataggatt gggagtanaa 420  
ccgangaaca atccaagctc cgaaaggagc cncaacaaa ggca 464

<210> 10727  
<211> 495  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-031-Q1-E1-B2

<400> 10727

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gattacactg cgaaacatgt atagccaaca ctgattttag acctagatgc tccagaacct 180  
aaccatcaa ccccatcacc aangcaaagg ggttgccctt taacaagtat tcatgggtta 240  
ccacacacaa ctcttttgct cgtttggggg aagtatcacg gaccggttct gctattttgg 300  
ctcctactaa ncatcangat tcaaatacaca nggccaacte nctaatggtg taanagggtt 360  
tatgctcgac atgtattgac ttccancnac natatccggg cttttccaat tctttcgaag 420  
ggnacangtt tcaaatttca acgcttttca acccggtat tancatttta aggggagttt 480



<210> 10728  
 <211> 479  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10728

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 gtacttatgc cagaggagca gtttatgcgt tacagagcag caaaaagaat ctcaaacagg 180  
 gcattattgg ttacctcagt ggctcaaattg gactagatag ctccgggctt agctcatcag 240  
 ctgctgttgg tgtggcatatc ctgctagctc tagagaatgc aaacgaattg actgtatccc 300  
 caacagaaaa tatcgaatat gacaggctta ttgagaatgg ggtatctggg tctgcggaat 360  
 ggaatttttg ggatcaatca gctatttttg cttttcgaat tatgggggtgt ctaacataca 420  
 tgggactgca aagaactttg gaccacgagc tttgttataa ggctccctga actggaana 479

<210> 10729  
 <211> 448  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-031-Q1-E1-B5  
  
 <400> 10729

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 tctcattatt ccatctctct tancgccgct acaaacgttt cttcttcaac ctcgttcaga 120  
 gattatcctc cttctttttc tcattcttaca aggaagttag gcagttaaag ctgctgggat 180  
 caccagtttt gtcaaaagtg gagtgtgaag aatcttttat gtctgaacag gcttctctct 240  
 ttcaatcatc tancgggctt ttaggagaag tactgtccca tatctaggan aaagtccact 300  
 catnaagttg ggtgggttag cgttttgagg aagacntcac gagccggtaa tggatttcag 360  
 ttttaagcaac tgaagtgatt atcaacggct cntctgangt cccctgggtg gttaantttg 420

gttggatcca agangggctt tgccaaaa

448

<210> 10730  
<211> 489  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-031-Q1-E1-B8  
  
<400> 10730

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cagctactcc agaagattct tcgacttaat ctgatgtgat taggaagagc aatagaggaa 120  
gagaagaatc agaaaaaatg gatccggcga ctaattcacc gattatgccg attgatttac 180  
cgattatgca cgacagtgat cgttacgact tcgttaaaga tattggctct ggtaatttcg 240  
gcgttgctcg tctcatgacc gatagagtca ccaaggagct tggttgctgtt aaatacatcg 300  
agagaggaga aaagattgat gaaaatgttc agaggagat tatcaatcat agatcattga 360  
gacatcctaa tattgttagg tttaaagagg tgattttgac gccttcccat ttggctattg 420  
ttatggaata tgctgctggt gggagaactt tatgagcgga ttttgtaatg ccgggacggt 480  
ttaagtga 489

<210> 10731  
<211> 415  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-031-Q1-E1-B9  
  
<400> 10731

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gttgtgaaga aaccaccggc gaaagatcga catagcaaag tcgatggaag agggagaaga 180  
atccgtatgc cgattatatg tgctgctcgt gtttttcagc taacgagaga gcttggtcat 240  
aagtcagatg gccaaacaat tgaatgggta cttcgtcaag cagagccttc tattatagct 300  
gcaacaggaa ctggtacaac tccagcgagt ttctcaactg cttctgtctc tatccgtgga 360

gccaccaatt ctacttcttt agatcataaa cccacttctt tacttggtgg gtacg 415

<210> 10732  
<211> 409  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-031-Q1-E1-C10  
  
<400> 10732

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aagaatgggg ctgggcagtt tttcttagcg acgctgcttc tttggcttgt ctccgtcgtg 180  
tttgagattg ctttcaatct ccggacggag cttctctggg tgatttgcg tggatgcttc 240  
tttcaattga tgaattgggt tgttcgttca tggatttctc gtgaccctat atttgtaat 300  
acctctgtct cgcttttgca ctcaatcatc acctccgat cagtggtttt cataacttctc 360  
aatcaaatgc ttagcAAAAA ggttttagacg aagatgtttt gatnattcc 409

<210> 10733  
<211> 412  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-031-Q1-E1-C12  
  
<400> 10733

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aggcttaatc cttcttctcc cttcggcact tcttcgacaa atctccgtca ctccaagtcc 120  
tgtgagctct gggaatcaac aaaacgacct aaaacacagt tgattcgag agcttttagc 180  
gcaaacgtcg atccgttttc cgaggaagag tttgcgaaaa agatgcagga gctaactctc 240  
aaattccaag tctctaacga agaanaagac aacgaatcgg atacacgat tgacgattac 300  
actcgaaaga tgggcatant aggaagccat aataatttca ggtcagattc aatggaancc 360  
gccatggcca gagatggtgc aaatgtcaaa acatccgaag aaggaaacan ac 412

<210> 10734

<211> 479  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10734  
  
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 ttgttgggac gtcaaagcaa cgcttctttc gattctgact ttcataataa tactaaactc 180  
 caactttttg atttctctgc tacttttgtt cttctctttt acttccccag atacatcaat 240  
 cgatcaattt gcaaaacatg tctgttgagt tatgttcggt gaggcctttg tttggtggcg 300  
 ctatttccac cgtcttccct caaagatttc aggatgtgag taatatccga caagttccag 360  
 atcatcagga agtggttgtg gatccttcaa gagatgagag tttgattttt gagttgttgg 420  
 attcaaggct gaggttggtg acattggcaa ntgcctcctg gggttcctta atgattctt 479

<210> 10735  
 <211> 480  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-031-Q1-E1-C7  
  
 <400> 10735  
  
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 ctctctaact ctaccatcgt ttcatttctt aattctctgt tttcttggtc ctccagagtg 180  
 atagatctgg cagagaacaa tgtcggaatt agccaattag gtcgccgaga taaaacatg 240  
 gaagcgagga tgaagaagta tagcagagaa gtgaagtcca gagagagcan aagtctggac 300  
 tgagganatc ancaanagtt atcatcaana gatcangaaa gtcaaaattg tttanacct 360  
 ctccaagaan tcgtcaactt tgaggcatnc ctcaattcan tggaangtgn tgnnttccgt 420  
 cccaanatt gggttannac taaagagaat gttancagna gaagggtta antgttcctt 480

<210> 10736

<211> 490  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-031-Q1-E1-C8  
 <400> 10736

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 tccgattgat cagaaaaaat ccaccaaat tctcaagac gaaacatata attgaagatg 180  
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 aaatgtcact ctgcatcggg tctctccaac ggagaggaga agaaggggaa gattgctgag 300  
 atcaagtctg gaatagacga agctgatgtc ttgatccgga aaatggatct tgaggcaaga 360  
 agtttgcagc cgagtgttaa agctgtgtgt cttctaaaac taagaaagta taaatcctga 420  
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 tnttcccggt 490

<210> 10737  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-031-Q1-E1-D10  
 <400> 10737

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 atgttccctc ttgttctcgg aaggaaaatg gttggaggaa gtgacgtggg agggatgaag 180  
 gagacacaag agatgcttga tttctgcgct aagcacaaca ttacagctga tattgaattg 240  
 attaagatgg atgagattaa cactgcgatg gagaggcttg ctaagtctga tgttaggtac 300  
 aggttcgtga tcgacgtggc taactccttg agccctccat gaatgatccg gatctaagaa 360  
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<210> 10738  
 <211> 456

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-031-Q1-E1-D2  
  
 <400> 10738  
  
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 ggggattcga gcatagggcc gggccatccg catctccctc ccgggtttcg gtttcacccg 180  
 actgatgagg aactagtagt tcattacctc aagaagaaag cagattctgt tccacttcca 240  
 gtctcantca tcgcagagat tgatctttac aagtttgatc cttgggagct tccaagcaag 300  
 gcganttttg ggngagcacg agtgggtacn tctttaatcc cccgggatcc ggaatttcca 360  
 aatgggggta agccaaaacc ggggcagcaa ncntccggtt nntggnnaag caacngggaa 420  
 ccgntnaacc gantatttac gngccaatag tccacc 456

<210> 10739  
 <211> 473  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-031-Q1-E1-A5  
  
 <400> 10739  
  
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 gcaacgaagc tagctgagca aactagaatg aaaggggaga ggatgaacaa tcttgatctc 240  
 tccaaagggt acactgagtt tagaccaagt gagaaattca gtttccagga gaacaatcct 300  
 taacttcaac atgttgaant ttggatggta aatttgggtga aaagcatcca ngggggaaaa 360  
 cntccgatgc cacaacaact gttnatanta tgaaatacct ggttttccag aanaaatgac 420  
 ctttaagaag ttgganggca acattgaaag ttaacaagtt anaatgggta atg 473

<210> 10740  
 <211> 405

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-029-Q1-E1-A10  
  
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 tgaatggatc atttcctgcg cttttggcctt ttggagattc aattctcgat actggcaaca 180  
 acaattttct cctgactttt atgaaaggaa atatctggcc atatggaagg agtttcagca 240  
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<210> 10741  
 <211> 405  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10741  
  
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 tccacagcgg agccaagcag agcagcttcg gcgctgtcag agtcggccag aaaactcagt 180  
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 tctctgatga cctcaacgag gccacaaaga aagcttcaga tttcgtgacg gataaaacan 300  
 aagaggcatc agcagatggt gagaaagcga aagactacgt tgttgaaaaa aacagtgaaa 360  
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<210> 10742  
 <211> 462  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-A3

<400> 10742

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antaccccca nctttgggtga tttgaaccat ttgatattctg ccactatgtc tgggtgtgact 180  
tgctgtctga ggttcctctgg tcaactcaac tctgacctcc gtaagcttgc tgtgaatctc 240  
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tcanagcagt agcgtccct cacagtcctt gagctcacc agcaaattgt ggactccang 360  
aacatgatgt gtgctgcaga cccaacgcac ggacgtacc ctacancct ctgccatgtt 420  
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<210> 10743

<211> 395

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-A6

<400> 10743

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aatgatttga ctgagcaaga ggttttcttc tcttgtgctc tcggttgggt cattgaatgg 180  
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caaccttgct gggtcagagt tcctcagggt ggtatggntg ccatcaatga tggggattct 300  
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<210> 10744

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-029-Q1-E1-B12





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gagtcttcta ttgtctccat cagaggccct gctgaagcat ctgttgacac cgtatgaact 240  
ctttactttc atctctaaaa agatgtatca aaaacctaac acaaaacaat aagcttctct 300  
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<210> 10747  
<211> 405  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-029-Q1-E1-C10  
<400> 10747

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgaaga acaatagaac cagacgaggt 240  
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gtgccgatga agagcaagct gctgaagcta cagccacggc ggcagattca cagagtttcc 240  
cgagtctgaa agaggctgcg actgctaagt cttctaagaa gaagaagaag atgactttat 300  
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<212> DNA  
<213> Arabidopsis thaliana  
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tttgctcttt atcttggtgn gctcccttgc cacagactaa acagtcncgt ccaagttttc 240  
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ccggtattag gaagcatatc anttacttgt tcaactgaacc gatcaagctt cctaggctag 360  
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<223> Clone ID: LIB24-029-Q1-E1-C2  
<400> 10750

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acagagaggg acagagagag aaatatttca ttcgctactc tctttaatac cgccattgat 180  
gcaacctcct tcgcgtaaac tgtcaaaata ctcccact gacaaaaatt aaattccttt 240  
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gttatcactg aatttcattc aactcggttt attccggttt aagtgtgatt ttcccggcta 360  
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<211> 406  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> Clone ID: LIB24-029-Q1-E1-C3  
  
<400> 10751

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tatcttttga cgacctaaagt ttctgctgtg aattgttaaa cagccatcag cctgggcttg 240  
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<213> Arabidopsis thaliana  
  
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tcatcaacca agtctcaggg aggagccacc gtggtaatct ctccggctac aagcgtttac 180  
gagctccttg aatgcctgt ctgcaccaat tcaatgtacc caccaaattc ancagtgtca 240  
anaatgggac atactttatg ttcaacctgt aaatcaagag tgcataatcg ctcttgagaa 300  
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<210> 10753  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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 gactgttctt ttggggcggt gcattcgctg ttggatctct gttgcagttc ttgtatgtta 420  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 10754

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 aatccagttc aaacccatgt agtccccgag catcgtaaac ctcaaaccac aacaccaaaa 180  
 cccatgactc aaccaatcca tcagcagatt tcaacaccgt cttcaaattc agtctcagtt 240  
 cgagatccag atacgatttt aggtaaacca ttgaagaca tcaggaaatt ttacagcttg 300  
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<210> 10755  
 <211> 425

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 ttgtttcttg atgaagaaag tgctcgccgt ggtggcctgg tgtctgccgg ttctggtaac 240  
 cggccaccgt cgagttatac cccaatttga gtaaaccggt ttggagaatt actcgtaatt 300  
 tcttgggttt ttgattgaag aagctaaggg aatcaattta aggcntttgt natttgggat 360  
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 gaaat 425

<210> 10756  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 ttgttagata gtgttctct tgtagcaatc acaggacaag tccctcgctg tatgattggt 180  
 acagatgcgt ttcaagagac tccgattgtt gaggtaacgc gttcgattac gaagcataac 240  
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 acttctggta gacctggacc tgttttgggt gatgttccta aagatattca acaacagctt 360  
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<210> 10757  
 <211> 484  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 10757

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tggaagaata caagctcagc cgcgaggctt ttgagtgggt cattggtgag attgaatcaa 180
ggtttttaca atcgctagtg gccccagggg aaatgatcgg ttgtgttgct gctcaataat 240
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agataagata tctccgtggc tacttcgtat anagttgaat cgcgagatga tgggttgata 360
aagaaattga gtatggcgga taattgccgg agaaagatna accttgantt cgatgatgac 420
ctaacttgca taatcaantg atgataatgc tcaanaaact ggttccttcg aantcgcaat 480
aagg 484
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<210> 10758  
<211> 413  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-028-Q1-E1-G11

<400> 10758

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ccgcagaact caagaggctt atctgctttg ccgctcctat ggcggtgtt gttatcgctc 180
agttcatgtt gcagatcatc tcaatgggta tgggttggtca cctcgaaaat ctctccctcg 240
ctagtgcctc tctcgctcc tctttctgca acgtcaccgg cttcagcttc atcgtaggat 300
tgtcatgtgc cttagatact ttgagtggtc aagcttatgg agctaagcta tatcggaaag 360
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<210> 10759  
<211> 474  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 10759

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 taactataaa ggaagagcat aactcaaag agttgagcca acccttgctc ttgttgaatc 240  
 ggagttgcct aaggaagcct tcttggaaga ttgggagcca acaaagact cattgttggg 300  
 gataagagct cctggtatga gtccgttaaa gataccgttg actacgcaa gctcggtagc 360  
 ataaggtgtg tcgatgtggg aatggtctgg ctctgctttt gatgaacgag aagaagctcg 420  
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<210> 10760  
 <211> 418  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 10760

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 aaaaatggag gcttggggat gattatagcg aatggtgtgt ttgacgggtga aggttttagta 180  
 gctgattgcc acgtgttacc ggcgacatct gttggtgctt ctggaggaga tgagattcgt 240  
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 ttcaaaggta cccgacttgg gatccgacct gcaccggttg ttgcatcttt ctctgctcgt 360  
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<210> 10761  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations



<223> Clone ID: LIB24-028-Q1-E1-G5

<400> 10761

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gcttgacaaa cttggtggtg cttttgcccc aaagccgtct tctgggacca cataagtcaa 180  
gggagtgcct tcccctcgtc cttatcatca ggaacagggt ngaagntatg ctcttaccta 240  
ccgtgaantg atttcaatct tgatgcaaag gcatatccaa tttgatggga aantcaggac 300  
ggncaaggac ctaccctgct ggtttcatgg atgtngtgct aatccccaag accaatgagn 360  
aacttccgtc ttcncnatga taccaaggga acntttccgt ctccaancca tcaagggtta 420  
nggaacca 428

<210> 10762

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-G6

<400> 10762

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gcaaaccaaa atgtgtgaag ccacttctcg aatatcaggc atgtgtcaag agaatccaag 180  
gtgatgattc tggccacaag cattgcactg gccagtattt tgactactgg caatgcattg 240  
acaaatgtgt tgcaccaaag ctgtttgcga aactaaaatg aaaagagggtg aagctggaga 300  
ctctattgtc ntgagtttgc tacatgtggg ttaaanattg atcgtagaaa atnncangtg 360  
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<210> 10763

<211> 458

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-G9

<400> 10763

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tcaacatccc taacatctca gcagccacca tcacccccct cacagcttcc cctccgtaca 180

atgccgggat cgtacggctg gccgttggtt ggaccattat cggaccgttt agattccaag 240

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tcgggagactt ccggcctaac cttgggggttc tacggcgg 458

<210> 10764

<211> 425

<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB24-028-Q1-E1-H1

<400> 10764

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caatctgtga caaaacctta aatccatctt tctgtcttaa gttcctcaat acgaaattcg 180

catcgccctaa tcttcaagcc ttggcaaaaa ccacacttga ttctacacaa gcgagagcta 240

cacaaacggt aaagaaactc caatctatta tcgatggagg agtcgaccct cgatctaagt 300

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<210> 10765

<211> 419

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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<400> 10765

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 catttcgaac agtacggtga aatccttgaa gctgttgtca ttgctgataa gaacactggt 180  
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 gctgacccta cnccgattat agacggnaga cntgcaaact gtaatcttgc ttccttggg 300  
 aagacctcgg nctccattgc cctatgcagt gatacctaac atgcctggac gcttaagacc 360  
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<210> 10766  
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 <212> DNA  
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 aaataagaag tacaccatag caagaatata gggaacccat tccataagtg tggattttcg 360  
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<210> 10767  
 <211> 471  
 <212> DNA  
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 cctgctgaaa aacgtattag atatctatgt agagattgga atggggcaga tggagaggta 300  
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<210> 10770  
 <211> 422  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 10770

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 tc 422

<210> 10771  
 <211> 391  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 10771

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 <212> DNA  
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 <212> DNA  
 <213> Arabidopsis thaliana  
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 <211> 407  
 <212> DNA  
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 ttacagttac cttaaggagc tactggcaaa ggaagggtat ttgatagtat ctgtgccgta 360  
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451

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gatgtgagta atacctctgc agatattatt tattcagaac ttcgaaaggg angcaacatc 360  
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gctgtatcag cctttgtatg tcaagcggtta tgagattgtg aatggcacta ctgaagttga 360  
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gattcgaact agttggtatc ttgttctcca cgtgggtcac atatcgatat ctcttggtca   360
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cttctttctt cttcatcat cccaaacaca caaaactaa aaaaaaggca aaaccctaga   180
tccaagatca gacctaact aatcgaaact catagctgaa aaatgaagag agatcatcac   240
caattccaag gtcgattgtc caaccacggg acttcttctt catcatcatc aatctctaaa   300
gataagatga tgatggtgaa aaaaagaaga agacggtgga ggtaacatgg acgacgagct   360
tctcgctgtt ttagggntac aaagttaggt catcgggaga tggcggaggt tgctttgaaa   420
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<223> Clone ID: LIB24-028-Q1-E1-F10

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aatcgtttag ttgcaggaga cttggtgggt ttatggaaat tggtgaaacc agattagggg 360  
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<210> 10785

<211> 405

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-F3

<400> 10785

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ccagtgttgc ttcttctttt gtcagtcggg tggatactct catggacaag atgcttgagc 180  
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<210> 10786

<211> 428

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-028-Q1-E1-C5

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 gggacgactc ggtagccttg agctcgagg aggagcctta gccatcggtt tcaccaacat 240  
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 catcggttct aaaaaccctt cactcgcttc cttaaccctc aagcgaacca tcttcctcct 360  
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<223> unsure at all n locations  
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 ctcaatgcgc aattaaccct gganagactt ttacctacaa ttccactgtt naaaanccgg 360  
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<223> unsure at all n locations  
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<400> 10788





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 gattcgtttc cggttcattt ataggcgcca cgtttgaana naggangagt cttcatgtgt 420  
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<210> 10798  
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<212> DNA  
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<223> unsure at all n locations  
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<212> DNA  
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<223> unsure at all n locations  
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<210> 10803  
<211> 436  
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aaagaaaatt agggatctcg ataacaccga gaaaaatctt gatattgacg aagacaacga 360  
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 cctcccccttc tatectctctg gaacccccga accgactgtt gtaccggctg gaccggcgctc 180  
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 acacctcanc ggaaacatcn acgcaccatc accanactca anaanctcaa cactctctac 360  
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 atctacctag ctacaatggt tgtcatttat tgcatactct acagcatcga ggactttgat 180  
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 caacttcatt ctctgcccga ggattttaa tccagccgaa ccacattcat actatttcta 300  
 ggagacgatgt ctgctattct ggggttgtaga gcgaangatt cntggatgtc cctttccggg 360

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tgcgacactt gtggtttctg gtgatggctg ttattattca gagcaagcta ttcagattat 180  
agtaaagatg gcagcagcta atgggtgtag acgtgtgtgg gttgggtcaa acagtctgct 240  
atcaactcct gcagtatcag ctattattcg tgaaagagta ggggctgatg gatctaaagc 300  
cacaggagca tttatcttaa cagcaagtca taatcctggt ggccaactg aggatttcgg 360  
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cgagaacaca aagac 435

<210> 10814  
<211> 384  
<212> DNA  
<213> Arabidopsis thaliana  
  
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ctgctttcgc gttgaaagat ggatctctcg ctactcattt cgcttccgtg aatcccaact 180  
ccgtcacgct taacttcgga tcttcnggat ttgttgctta ctctcgtgat aatcctgac 240  
ctcgtgttcc tagattantt gctgtgggtg angatatttt cngtcacttc naaggnnaca 300  
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384

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<223> unsure at all n locations  
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attcaatggc tcttccgttg ccattgatct tccttatctt ctctcatttg ttcgtttctg 180  
gagttagatc aacgagcttc attatggtga acaaatgcga atacacagtc tggcctggac 240  
ttttatcaaa cgccggaggt ccaccacttc cgacgaccgg attcgttctc caaaaaggcg 300  
aagaacgaac aatcagcgt ccaacttcat ggggaggaag attctggggg agaactcaat 360  
gtccaccga caccgacgga aaattcactt gtctcaccgg agattgcgga tntggtaccc 420  
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<210> 10816  
<211> 433  
<212> DNA  
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<223> Clone ID: LIB24-026-Q1-E1-F2  
  
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ctgtggtata attgcctcag acacgtttgc ttttcttggg ggcaaggcat ttggtagaac 180  
tcctcttatt agcattagtc caaagaagac atgggaagga gcttttgcag gacttggttg 240  
ttgtatttcc attaccattt tactctccaa atcgttgtcc tggcctcaat ctcttgtcag 300  
caccatagct tttggagttc ttaacttctt cggatcggtc tttggtgact taactgagtc 360

aatgatcaaaa cgtgatgcgg gtgtcaaaga ctccgggtca ctcactctgg gacacgggtg 420  
catattggac aga 433

<210> 10817  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-026-Q1-E1-C6  
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aactcctcac tcaactcatt caaaacgtcc tatctccatc aaagctacta cttcttctcc 180  
ttcaagactc tccaattcac gatctaatt caaaggaaga gcattgtcta gtgatgggtc 240  
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gacaagcgga ctttcattag ccgatgcacc ggctttttaa aaagctccag gtgggtgcac 360  
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ggtggtgaag atgagt 436

<210> 10818  
<211> 424  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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atgtatcata agcacaccac tttttgtcat tttcagtcgc gttctcgtgc cagcgactat 180  
agccactaca ttgctagctt caggtttcac agcctccggt tcctttggtg ccacggcttt 240  
caccatcctt tcgtggctct acaagaaacg tacagggagg gactaccagg gaattcagga 300  
ntgacgccac cggctcccg cgtctanncc agcaagttcc gggcgtntaa accaacagna 360  
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gata

424

<210> 10819  
 <211> 431  
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 ttgtatcttc ttcttgacaa cgaccaatgc tcaggtaatg catagacggc tctggccttg 180  
 ggcattgtgg ccacgggcgt atccacagcc gtgggcaatg aatccacaac actgaccatc 240  
 acaaagcctg tcgcacaact ggccaacatc aaaaactgtn gcacaacaag gccaaactcaa 300  
 gccgttanca acaagcaaag gcttnaancn aggncccaac aaggcccttc ccaattcang 360  
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 aaaactccta a 431

<210> 10820  
 <211> 412  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 tgaatccata gtangaagag aatgaagaa agcaatgatc aaagaagcaa gaagcgtcgc 180  
 ttccgtcatg cgtttccaat ttcacgactg tttcgtcaat ggatgtgacg catctctggt 240  
 gcttgacgac acaccaana tgcgtggtga anaactagcn ctttccanca tcgattcact 300  
 aagatctttc gaagtcttga ngacnttcaa cgaagctcta cananagctt gtccagctac 360  
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<210> 10821  
 <211> 434  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10821

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 tatgagtagg ttttaagtct acaaagataa cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ncntcccntt acaagtaaata 240  
 ccttcanttt ttactcctgt ataatcatat tttccttggt gttagttccc taagtttcaa 300  
 caagccatta ataatttctg taaanggatt tgggtagata gcatccaagt gatgcancn 360  
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 tgggaaggtt aacc 434

<210> 10822  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 ttcaagcata tgctgagtca atcgggaaaa ctaactgggg aacaagtgga cctcatgatg 180  
 ccggcgagta caagaacctc ccagaagata ctgaatTTTT caggagagac ggaacatgga 240  
 atagcgagta tggaaagttt ttcattggaat ggtactccgg gaagctgcta gaacatggag 300  
 accaactcct atcttcagcg aaaggtatct ttcaaggaag cggaacanag ctatcangaa 360  
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 atac 424

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 <211> 390  
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 <213> Arabidopsis thaliana  
  
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tcagcanacc aaaacaggat ttattttttc tggggatttc tgagattgga agaaaatggt  180
cagcttttca aagaggcgca tgagacttgg cagagttaag aaggtaacag tctcggattc  240
tgttcaagga tataagagtc ctttacgaag tgaccaaacg cnctgatagc tctagtaatg  300
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agtgaaaaaa catattgaag aacctattaa agatatagaa gtttctagcg tttcacctac  180
tgaaaactgt tatcaatcag ggagagagggc tataccctca gttactccca gtactcctct  240
cacggccctt agatacaca catcagctga gaaacctgca agtaaaacta ctggctcatc  300
aacagtaa at tcgaagcggt cttcgctctg gggaagagggc aacggcaaga aaacacctgc  360
taaaggatca tttgattcct caggaaatga cgagcttctt atacagagggc tcgagcacat  420
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<210> 10825  
 <211> 498  
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 atagacacaa actatgacgg agatcgatcg ttcacgcgcg ttcgccaaag acgttaagcg 180  
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<210> 10826  
 <211> 413  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 tactggcaac aggacaaatg gattggttgc ttccctgtta agtggcattt cgttaaagat 180  
 atccctaata gctcctgggt ctttcacgaa caggaatggt gggaagactc ttgtttccag 240  
 gactcanggt accaanattg cctctgangg actgaaacac anggtgtttn anggttcncc 300  
 tgctgatcta caaatgatg aggataatgc ctacangaag atccgtctta gagctgaaaa 360  
 tgttcaaggg aangaatgtg ttgacccaat tctggggtaa ggattcacia ncg 413



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 <212> DNA  
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 agagtaccaa tctcagattc atcagctcca cttgaattta aagtagccat aactgttcga 180  
 tcataggatg gaagaagcaa ctcaagtaac gagttctgag gtccctgtag tgaaagggtga 240  
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 ccaaggatga tgcggagaaa agcagatcat gttcctgttg aagagcaaaa aggaagttat 420  
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<210> 10828  
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 ggangtgctt acaatgtacn ancaatggct tgtagagaat gggaagaact ataacgggtct 240  
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 caattcagat ccaaaccgga gttatgaacg cgggttgaac aagttttcgg atctaacggc 360  
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<210> 10829  
 <211> 483  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
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tttacgattt gtgagcttgt gaagatttct tggtagaatt agagtctctt gtttcgagat   240
cgagatgaat aataataata ataatagagg aagatttcca ccgggggattg gtgcggcgagg   300
tcttggtccg gatcctaatt ttcagtcacg gaatccgaat ccacctcagc ctcaacagta   360
ccttcagtc cggactccgt ttccacagca acctcagcct cagcctcctc agtatctcna   420
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<210> 10830  
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tgctgtttgc ttagatgtta taaaccagac ttggagccca atgtttgatc ttataaatgt   180
gttcgaatcc ttccttccgc aactgcttct atatccaaac ccatcagatc catttaatgg   240
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<210> 10831  
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 <213> Arabidopsis thaliana

<223> unsure at all n locations  
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<400> 10831

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ttctcttca cccgcgcgtc acgccgtcc atgtagctac ctctcggcc gcgtcgccga   240
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tcggtgccat tgtcgatgtg agattcgagg atcaggaagg attgcctccg attatgacat   420
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<210> 10832  
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 <212> DNA  
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<223> Clone ID: LIB24-025-Q1-E1-G8

<400> 10832

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gttttgccgc agttttgtta gggttaaattt acataaaagc attctaattt tgtgtgttct   300
gttcactgaa ttcttaggtt tcttatgtca aatctttctc tgtttttcta tttcttgaa   360
cagcaagtta acattgtgaa acctcaagtg gatgctcaa atttggtttt ccttgcaact   420
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<210> 10833



<211> 434  
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 <213> Arabidopsis thaliana  
  
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<210> 10843





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<210> 10846  
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5330-4636

<210> 10847  
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<210> 10850  
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<210> 10859  
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<210> 10861

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 cttattaccg tgccttgaaa agcaagtcac cgctggatcg gtacttaaaa ccatacattg 360  
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<210> 10863  
 <211> 429  
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 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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<400> 10863  
  
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 atgactcttc tagtcgtaac aatggccgga acagcattct ccggtagctt caacgaagag 180  
 tttgacttaa cttgggggtga acacagagggc aaaatcttca gtggaggaaa aatgtttgtca 240  
 ctctcactag accgggttttc cgggtcgggt tttaaatacca agaaagaata tttgttcgga 300  
 agaatcgaca tgcagcttaa actcgtcgcc ggtaactccg ctggaaccgt cactgcctac 360  
 tacttgtcat cggaaggacc aacacacgac gagatagact ttgagtttcc tggnaatgaa 420  
 acaaggaaa 429

<210> 10864  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-023-Q1-E1-F7

<400> 10864  
  
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 atgagaagtg gcttgncgcc gnantcgccg ccgttaagca aaatgcnttc tatatgcanc 120  
 gcgctatcga ctccaacaat ctgaaagacn ctctaaagtt ttctgctcaa atgctcancg 180  
 agcttcgtac ttccaagctt tctcctcata aatactatga actctatatg cgatgttttt 240  
 aatgaattgg ggactttggg gatattcttc aaggaagaga cgggacgtgg ttgctccatc 300  
 gcagagctct acgagttagt tcagcatgcc ggtaacattt tgccaagatt gtagctttta 360  
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<210> 10865

<211> 423  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 10865

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gttggcatct cttgtgcagg cactggctctg agtgaggcga tatctttgtt ggagccactt  180
acatcagatg ttgtagactt tgttcgtcaa ggtgctctga ttgccatggc catggtgatg  240
gtccaaatta gtgaagcaag cgattctcgc gttggagcat ttangcgtca acttgagaag  300
ataatacttg acaagcatga agatacaatg agcaagatgg gagcaatttt gggcttcagg  360
tattcttgat gctggtggaa ggaatgtgac nataagactg ctgtctaaga caaaacatga  420
caa                                                                                   423
  
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<210> 10866  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-023-Q1-E1-F9  
  
 <400> 10866

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aagaaatctc gtgagattga ccgtcgccgc cgcagacgga agcagaagaa gaacaacaaa  180
gcatcccaag ccgatgtaga tgcacgggac gtttctgctg cttctgaatc caaagagaat  240
acagattccc agccacaggt ttgtgancaa antgtgatag agatgttcca aagcaaagct  300
gaaatttgaa gaatggttta acgaatannt taaaggaatc cttcgagaag ttcaacttcc  360
gcgaacctct tgcctctgaa agaagacggt acgaaagatg antctgagga aaaagaaant  420
tcaaa                                                                                   425
  
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<210> 10867

<211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-023-Q1-E1-G11  
  
 <400> 10867

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tggcgaggaa gatgcttggt gatggtgaga ttgataaggt ggcggctgat gaagccaacg  180
cgacgcacta tgattttgat ttgtttgtca tcggtgccgg gagtggcggg gttcgtgctg  240
ctaggttttc ggctaatacat ggcgctaagg ttggtatttg tgagcttcca tttacccta  300
ttagctctga ggagattgga ggcgttggtg gaanctgtgt tatccgtggt tgtgttccta  360
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<210> 10868  
 <211> 475  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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agggttggaa gaattcgtgc cggagaaggg ttttaagagc aatggtgcag gaaacagttc  180
aaggatctcc tttggtttac gccagagaaa tggagcgctt ttctgctaag gaatcgctac  240
ttctcgcttt gaaggatgct ggaggctttg aggccttagt tacagggaaa acaactaata  300
tgcaaaggat cgatgttaat gagaggatta cgagtctaga gcggcttaat ccaactccga  360
gaccaancac gtctccttgt ttcgaaggca ggtggaattt tgagtggttt ggatctggaa  420
ntcctggttt actcgctgct ccaagttana ttcgagaggt tccctcaaca attgg      475
  
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<210> 10869  
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 <212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-G4

<400> 10869

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cagtttcgtc ctanaatttc ttttcttgtc tgttccagat gaaattgtga gttctccgag 180

ttanatgcat ccgttagaat caaagcggta atcaaaagca gaatttanag gantganaaa 240

gatgggttttg ggggtgtttcc ctttgaaaag cancaagaaa cgtgggtctg tttctatgaa 300

gcggttgat cttgaagaaa gcaanccanc tgctttacct gagccaccaa agattccaag 360

tcgtaattta caatcagctc ntccgagttt cagaactcnt gtgaagccaa ttcaatctaa 420

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ca 482

<210> 10870

<211> 417

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-G7

<400> 10870

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aaaattagcg caaaggtctg agagagttaa atctgtggat cttcatccta cagaaccatg 180

gattcttgca agtttgatt ctggaacctt gtgtatttgg aactaccaga cgcagggtgat 240

ggcaaaatcc tttgaggtga ctgaattacc agttcgggtca gccaaagttg tagcacgaaa 300

gcaatgggtt gtcgcaggag ctgatgagat gtatatccgt gtatacaatt acaacaccat 360

ggacaagggt aaagtgttg aggtcattc agactacatt angtgtgtgg ctggttc 417

<210> 10871

<211> 416

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-G9

<400> 10871

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gatgaagaga acgccgagag aaaccctagt agcgccgctt ttgctgttgc cggcgctgcg 180

actgctggag aggagcagaa aattctggag gaggaagaag atgatattga tgattttgat 240

gggaaccttn naaaccaana gcaattncat aaancagaag naaattatng nggatnatna 300

aaatnngttg agtcnatcct aaataagaaa tgcncctccc aaacgtncgc taacnganan 360

catttccaag aancccaaag ataaaggtgc cgacttacct aaaaaaaacc gtncca 416

<210> 10872

<211> 466

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-023-Q1-E1-H1

<400> 10872

ccgtcnaaga attcaagggc cgaccacgc gtccgtctct ctctttcatt cactacataa 60

aaagcttcca gctcccatca ctatataccc tccaaagatg caattttcaa gaaactcaat 120

ccttaggcaa ctaagccgaa aagaaggttg gagatcggtt tctaaaaggt ggacttccgg 180

agatagctca acagccttca acgacgacac aagtgggtgt ggttactcat caatggaggg 240

tctttatgga gtttactccg gtggagacac ggcgccgaga agtaagagag tgatggttgt 300

agttgatgaa agttcgaggt ctaagcatgc tatgatgtgg gctttgactc atttgactaa 360

caaaggagat ttagtgactc ttcttcatgt tgtgtctcct gatgatgaag ctactccttc 420

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<210> 10873

<211> 407

<212> DNA

<213> Arabidopsis thaliana

<223>      unsure at all n locations  
 <223>      Clone ID: LIB24-023-Q1-E1-H10

<400>      10873

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 ttttcttaat tattantata attttctctt cttaatcccc aaatcnctg atggattcat    180  
 gaaccangat cggctgattt gagtttccgg gtttgatttt tttccctttt tgtgaaattg    240  
 ggttgaatc tggagatctg gatcttataa agctggaaac tttacgtgtg cntgatgaac    300  
 cgattttgat taggtgattg gttagattcg gaaatttgaa gacttgtaa tttgggtttg    360  
 ggattgggat tgatctgaaa atttgtagtt tttgggaana tatgttg                    407

<210>      10874  
 <211>      416  
 <212>      DNA  
 <213>      Arabidopsis thaliana

<223>      unsure at all n locations  
 <223>      Clone ID: LIB24-023-Q1-E1-H11

<400>      10874

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 ctctgggtgc aaatgaggag tttcaacaca ttcttcgtgt gttgantact aatgttgatg    120  
 gtaagcagaa gattatgttt gcccttacct ctatcanagg tattggtang cgattggcta    180  
 acattgtctg caagaaggct gatgtcnaca tgaacaaaag ggctgggtgag ttatctgctg    240  
 ctgagattga taacctcatg acaatcgttg caaaccacg tcaagttcaa gatcccagac    300  
 tggttcttga acaggcagaa ngattacaaa ggatggcaag nattctcaag ttgtcnccaa    360  
 atgctccttg acatgaaant gagaaatgat nctngaacgt ctcaagaaga ttaagn           416

<210>      10875  
 <211>      428  
 <212>      DNA  
 <213>      Arabidopsis thaliana

<223>      unsure at all n locations  
 <223>      Clone ID: LIB24-023-Q1-E1-H2

<400>      10875





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tgtggcttat gacattgcca atcactttctg tgagatggct gccgattacc aactgaaac 180  
acctcacatc atggattata gtaaataccc tgggtgtggag gagcgacaaa gatttctgaa 240  
aacatatatg agttattcag atgaaaagcc cagcgatact atgggtcaaaa aactcctaga 300  
agacgttgag aaatatacac ttgctagtca tctaatttgg ggtttatggg gaattatata 360  
ggaacatgtg aatgaaatcg actttgacta catggagtat gcaagacaaa ngttcgagca 420  
ngtattgggtt aacnaagccg aagggtcctt tgcagccttc cgaaaana 468

<210> 10878  
<211> 367  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 10878

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aaccctgcc cgtacatcca cggacacaac cacctccatc gctcgtcgca tctccggtat 180  
cttcatcaac tgcttcactc ctcccgattc cgtttccncc aantacatcg acaattcaaa 240  
gtcctcttcc gacaataata tccgtagtag acgtagctca acaggaagta gtantgtaca 300  
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cctacga 367

<210> 10879  
<211> 418  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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 caatccacat ctcatctctc ctcttctctc gactctctcg gccgtggctg tggacgcggt 180  
 tccggtgaag atggaggatt tcccgcgct ggaagaggac aattcgggtg aaatcgtgaa 240  
 ccggtggttc ctggacgtga accgtcatct gccggagggt atgggtcatgg tcgtggctcg 300  
 ccgatccaat ctgattcgat ttctctcgcg ttacgtcat ttgtcaaata agattctctc 360  
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 <212> DNA  
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 ggctgccaat tttggctggc cctggagcat taggggggttc atattgtcca cttatactg 180  
 tccttgatgg ttcttaccaa gcagacaaac cagggttacc ttctctgcc ggatcggtcca 240  
 gccaaagaga cagttccaat aatcctaata atgaagagcc catggagaga cctgagggtta 300  
 cgaacaatgg gaattctcaa cgggtcaaata gcaaccccaa acaagcagcc tcgtagatac 360  
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<210> 10881  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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aggaggaata aggctagaca cagcagtgat gggagcacac cacaatgctt ttcttgagat 180  
catctttcaa aaccgcgaga agatcgcca aagttaccac ctcgatggat acaacttttg 240  
ggttgttggg atcaataaag gaatatggc acgtgcgagc agacgagagt ataacctcaa 300  
ggatgctata tctcgctcca ctactcaagt atatccaaaa tcttggacag ctgtatatgt 360  
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ttaa 424

<210> 10882  
<211> 416  
<212> DNA  
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tataaactcc cagatctgct actctctatc tccgattttg tgatttttca aaccnanaat 180  
ttctccggaa gagtttattt ttttctctgt aactaaaccg agattttttt ttcaaaattc 240  
cganattacc ctaggttgtg tantaccgta gaaaacccta gttccttttt ggtattcttg 300  
gtgtacagat ccttctctta gtcagagttt ttggnatta gtgttagag gtttgtgatg 360  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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agtcgggcg acggaaactt ttcttctccg tcgttagagc ttcttccgat gatgctgatt 180



gcgcacgcgc tccagaatct cctcttcttc tctacttacc tgggatcgat ggtactggat 360  
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<210> 10886  
<211> 419  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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catcaactcg ttttctcca agattcagtc tcatgctctc cgaggagttg gtataggcga 180  
gtcagataag aaaaatcccc tgccgcgagg ggccggagaa ggagtcaagg aagatgcgag 240  
gagtaagctg cttcatgtag ttttggtctc tctcagatt cctgggaata cagggttgcg 300  
tgcaagaaca tgtgtgcct cagctgttgg tctgcattta gtcggggccat taggttttca 360  
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<211> 469  
<212> DNA  
<213> Arabidopsis thaliana  
  
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aaaccgacta cccattagta cactatgcac ggatgttcaa gttgacgagc tgtttcgcgg 240  
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cagccatcac agacaagagt gagcaagatt gtctattggg ttctctgctt cagacaatga 360  
agcagcacta ttcgagtctc aagggtgtct ctgaaactga actctgtgaa aacaacatgt 420

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469

<210> 10888  
<211> 458  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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gtaactcaac atcttgtatg cattcagata ttaagtcttt cttgttcaaa gaggaaaact 180  
gaaacaacag tatttgtttg atgaaatcga tgggtgaagaa gttgaagcag agtctgagat 240  
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<210> 10889  
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<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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gaagaagaaa atgggtcaag atgggtcgcc ggcgcataaa agaccatccg gaagcggcgg 240  
aggacttccg acgacgacgt taaccaacgg tggaggaaga ggtggtcgtg gtggtttggt 300  
acctcgaggt anacaagatg cagaagacgt ttaacaacat caaagatnac aattctccgt 360  
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<210> 10890  
 <211> 465  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 catcgccagt tataaatttc tacatcaggt acgtgcaaca tcacgtgttt tcagctgata 300  
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 gacaaggcta gcaatgctgc ccaatctgcc aaggagtctc tcaaagagac cggccagcag 180  
 attaaggaga aggcacaagg agctaccgaa tcagtgaaga acgccaccgg catgaacaaa 240  
 tgaatacaat aatcatatga ttcattatgt tatttttttt acgaataaaa acaataattc 300  
 attttttgaa acctaaagat tangttcaac ggtttgatta nnnnnnnnnn nnnnnnnnnn 360  
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<210> 10892



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 gaaacaagcc attgtggata agaatcccgt tgtttcaagt gcagcttttag tcagtgggct 180  
 tcacttgctc aagacaaacc cagaaattgt taaaagatgg agcaatgaag ttcaagaagg 240  
 tattcaatcc agatcagccc ttgttcagtt ccatgcccta gctttgctcc atcagatacg 300  
 ccaaaatgat cgcttggttg ttagcaaatt gggttggtagc ttgaccaggg gatctgtccg 360  
 ctctcccttg gctcagtgct ttttgatacg ttacaccagc cagggttatcc gtgacatggc 420  
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 <212> DNA  
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 gcagagactg ctgtgctctt atctggagcg agtattgccg atcaatcagt catcattgag 180  
 ttggctccca actacagtcc accagcagcc cctcatgctg aaacacagag cagcggtgca 240  
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 cttgggaaag atgctgtcgg caaagcaaaa gcttttgatg agaaacatgg tttcacctca 360  
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 a 421

<210> 10894

<211> 447  
 <212> DNA  
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 <223> Clone ID: LIB24-022-Q1-E1-A11

<400> 10894

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tctaaagcag cagatgatgg tgaattctct gagctttaca tcttcaaagtg gacatcactc 180
ttgatccctc caaccacact actcatcata aacgtaatcg gagtcattgt gggaatatct 240
gatgcatca gtaacggata tgactcgtgg ggtcctcttt tcggaagatt gttctttgcc 300
ttttgggtca tcttccatct atatcctttc cttaaagggtc tgcttgggaa acaaagacaa 360
gaatgcctaa aatcattcct tgtcctgggtc gattcttctc gcctccnanc cntaacncct 420
cctttgggggt acgaaatcaa tccgttt 447
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 <211> 480  
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<400> 10895

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ctttatgtca cccaatatat atcaagctca cttgattgga aatctgctgg tctttcaata 180
tctcagaaag ttaatcctgt tgtgtcgtgg gatccgtaca tgcgtgtgac attcactctt 240
tcttcttcca aagtgggagt ggcgaaggag tcgactttga atctaagaat tcctgttttg 300
actaactcta taggtgcaa agtatctttg aatgggagac ccttaaactg accaacttca 360
ggtaatttcc tatcaatcaa acagaaatgg aaatctgggtg atcaagtaac catggagcta 420
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<210> 10896

<211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-022-Q1-E1-A3  
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 ctcgagccac tacaacaaca catggaaact actacaaagt atctgacctc ccaatgacca 180  
 caggaccagc cagcggcttt gcatgggctg tgaaaagacg gaaagatcct gataatatct 240  
 ctactcttac ctactatcaa cccagctcga agagtcaatt gagtggaaca agtggttgcatt 300  
 ttgcaaagaa cacttttggt ttgaacctga aaccagacaa tgactcagtt tgggaagggtt 360  
 cagggaaaca actatgatga tggtatcnag ggtggttcn aagncatgat agtaagctta 420  
 accgtttggg aaaaacaatc ggttnctcgc acgg 454

<210> 10897  
 <211> 454  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 ctcgagccac tacaacaaca catggaaact actacaaagt atctgacctc ccaatgacca 180  
 caggaccagc cagcggcttt gcatgggctg tgaaaagacg gaaagatcct gataatatct 240  
 ctactcttac ctactatcaa cccagctcga agagtcaatt gagtggaaca agtggttgcatt 300  
 ttgcaaagaa cacttttggt ttgaacctga aaccagacaa tgactcagtt tgggaagggtt 360  
 cagggaaaca actatgatga tggtatcnag ggtggttcn aagncatgat agtaagctta 420  
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<210> 10898

<211> 420  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> Clone ID: LIB24-022-Q1-E1-A6  
  
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 cgtagagtct ggaaggacta ttacgctaag gttgatgcag tggatacct agttgatgca 300  
 tatgacaaag agaggtttgc agaataaaag aaagagcttg acgctcttct ctctgatgaa 360  
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<210> 10899  
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 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 caatgaccac aggaccagcc agcggctttg catgggctgt gaaaagacgg aaagatcctg 180  
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 gtgttgcatc tgcaaagaac acttttggtt tgaacctgaa accagacaat gactcagttt 300  
 gggaggttca gggaaacaac tatgatgatg ttatcganga gggttcctagt catgagagta 360  
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<210> 10900  
 <211> 421  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
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<223> Clone ID: LIB24-022-Q1-E1-A9

<400> 10900

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tgaggcaatt gttttgctcc aacaacaatt tcacgggaaa cattccatct ttcatatgtg 180  
agttgcctta tctcagcact ctcgatTTTT ctaacaacaa attcaatggg tcaattccta 240  
cttgtatggg aaatattcag tctccatata ttcaagctct aaatcttcga cataatccgt 300  
ctttagtggg acttcttcca gagatatatt tgagagtcta aattctcttg acgtcggcat 360  
aaccaactaa tgggaaagct tcaaagatcg ttaagtcana cccctcccct tggcttctga 420  
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<210> 10901

<211> 341

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-022-Q1-E1-B1

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gtccctatgt ttgctggaga aacccttcaa tggcaaccgt tgaaataatg tgggtgatttg 180  
aagttgtcan attttttctc ccaaataagt gaactcgtgt accttttggg ttgaattttc 240  
ttacggctga nttatgccct gcattttttg aggaataaaa gcaagatact gaccaataat 300  
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<210> 10902

<211> 464

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

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cctcatctca taaacccatt acaccaaacc ctcacgtag agagagaaac acaccaacca 180  
ttgttacact ctaagagaag agaagagaga aggaaaaatg gacggtgtat caccaaagtt 240  
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ctgggagctt gtaaaagcac cagtgattgt cctcttctt caattagctg tttacatctg 360  
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<210> 10903  
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gaaatccaga caaagtattt gtgagagatc ttctgtggc ttctggtttg tatgaaggca 180  
catcagatat atcattgtct agatgggatc cattagcaaa gcttataaaa aagtctgttc 240  
ttgaagaaac aaaagagaat ctcaagaaaa gaagcaatca gaatcaagaa gacgacgaca 300  
caggagagac tactataagt gaagaaaatc acaacatact gtttgatctt ctgaatgaag 360  
tacttacggt ggtgcttgga ccattgacaa agtcagggtt caagaacaaa cttttgagtt 420  
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<210> 10904  
<211> 423  
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<213> Arabidopsis thaliana  
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<400> 10904

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ctcctcggcc gcgtcgccga gtatgcgacc tcttcaccgg caagctctgc tgcgccatcc 180  
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ttgcctccga tcatgacatc tcttgagggt caggatcacc ccacaaggct ggtgcttgaa 360  
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tct 423

<210> 10905  
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nnnnnnnnnn nnnnnncaaa ggcctaacaa gcgatctaag gttaagatcg atgccgctgc 180  
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gatcgagaat caaggacctg cttcggatcc tggatcgga tctggagagc cggaacttgg 300  
atcttctgat ccacaggcta tggatgcgga gaagcctgtt gttacaactg atgtccctgt 360  
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<210> 10906  
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gcgtcgtga agggatgctg ctgctgcttg ttcttctgtg tcgcttctt ggcgtgctg 240  
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ctgcagcaag tggcagtggg gtacatgggg atctccaacc caagcgtgtg tctggatcaa 360  
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<210> 10907  
<211> 411  
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ccctagctaa ctacgcctgc tcacgtctcc caatgcacac tgtcccacca cctgccccca 180  
ttaccccacc tctgtctccc atcgtctccc cgctctctga acannnnnnnn nnnnnnnnnn 240  
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<212> DNA  
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ctcgagccac tacaacaaca catggaaact actacaaagt atctgacctc ccaatgacca 180



caggaccagc cagcggcttt gcatgggctg tgaaaagacg gaaagatcct gataatatct 240  
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ttgcaaagaa cacttttggg ttgaacctga aaccagacaa tgactcagtt tgggaagggtt 360  
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<210> 10909  
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<212> DNA  
<213> Arabidopsis thaliana  
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aatgggtctc ggaaattgag aaagcacgat tcattatcca ccgtccgac ttctctctct 180  
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cgtggtctcc gtaaattgaa aatggatccg gattctccaa cctgttcaag cagcaaccct 300  
 gggacacctt taacccttgg gacaccatgc tatgctttgg gaccattcac tgccggcaaa 360  
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<210> 10911  
 <211> 419  
 <212> DNA  
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 <223> Clone ID: LIB24-021-Q1-E1-F11  
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 ttctgccggt actcttggag aaactcttga tgcaactggt aaatggggaa aaaatctgga 180  
 taacgatgat catgtggagg aaatgaaaca agagggtgag aaagtgagat ctgcaaaaact 240  
 tgtcaggaag ttggaaagga aacttgcttt cgctgagaaa aagctgctga aagctgaacg 300  
 ggcttttagct aaggtggagg aatctctgaa gccagcagag cagagaacag accttgaggg 360  
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<210> 10912  
 <211> 419  
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 <400> 10912

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 ctctcgttgc aaaccctagc cgccgtcaaa gcaagcgaga catgtacca ctcgatactc 180  
 atggtccaga caaagatccg tcttagtttg aaagatgcca gngccctcat gttcctctga 240  
 ttcttctca tcttactcct attccttcag atctataatc aatcaatgta ttttcttatt 300  
 ttattcaatc gatttatcaa nctcttttgt tggtaaattg atgtctgtgt tacagatcaa 360

atgttgtgaa ctaattagcc taatgattcg attgattttg gtgaaccnga ggattgtac 419

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<223> unsure at all n locations  
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atccaacttc tttggtccca gcatgaatcc ttttcagaa atgcatcgtc tgccacangg 360  
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425

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<211> 460  
<212> DNA  
<213> Arabidopsis thaliana  
  
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aatttgaagt ttacttgcca ggcgaaaaga aaatgtctgc tttccatcgt aatgacctca 300  
gacaatctcc gggaatgggt ggatgatgag tggctaaaac ataagatnaa agatctgata 360  
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ggatcacctg tcccgtcat tgacgtgtcc aattggaatg aaccgcacgt ggctagagag 240  
atctgccatg cagcgtcaaa gctcggcttg tttcagatag tgaaccacgg gatagctccg 300  
gctgagttca aggggtgat tgctgcggcg cgtgggtttt tcgagttgcc ggcggaggag 360  
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 atggcatctc ccagaaggag cttatgagac aatgtcacta ctgaaagatg ctggaggttaa 240  
 gatggctggt gtgtctaatt tcgataccag gctaagaaag ctattgaagg atcttaatgt 300  
 catagatatg ttcatgctg tgattgtatc cgcagaagtc ggatacgaga agcctgatga 360  
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 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 tgatatcaag aacaaattcc aggctgctgt tgatattctc cgtaaggaaa agatcaccct 180  
 tgatccagag gaccagctg ccgtaaaaca gtatgcaaat gtaatgaaga ccatcaggca 240  
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 agacattcca gatgctcgtg catacttggt gaagttgcag gaaattcgca ccanganggg 360  
 gcttactgat gagcttggtg ctgangccat gatgttcgag gctttggaga aagtcnagaa 420  
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<210> 10919  
 <211> 440

<212> DNA  
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 ccaattccat gttttgctct gctcaactct ctgtttctac ttctgaatcg tcgttttctt 360  
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 ca 422

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<223> unsure at all n locations  
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<210> 10925  
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 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-020-Q1-E1-D4



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gccggatggt ccttcacatt acaatctttt gctaaaatgt atgccaagct tcatgggtgtg 180

gccatggacg tggataagtt tgcattctga ctttggggag atgtatatta tcaactctgat 240

actaggggtat tcaagagaag tcctccagta ggtgggtggag aaagagcatt tgttcagttt 300

attctggagc ccctatacaa gatatacagc caagtgatag gtgaacataa gaagagtgtg 360

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<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-020-Q1-E1-D5

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ttaggtggac aaagcatccg tctttcgtgg ggacgtagtc caaacaagca gtctgatcaa 180

gcgcaatgga acggtgggtg atactatgga taccctccac agccacaggg cggctatggt 240

tatgcagctc aaccaccaac tcaagaccct aatgcgtact atgggtggta cactggctat 300

ggcaactatc agcagcaacg tcagtgaac atcaacatca gctattttcta ccaatgtctt 360

ggaacaaaag atgaacgatt gtgtcctaataaaggacttcn aaattaaaaa tgcncctt 420

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<210> 10927

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<212> DNA

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<223> Clone ID: LIB24-020-Q1-E1-D6

<400> 10927



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ataagaacct gtataatgtg cgggataaaa tgattgaaat aaattattat gtataaaatt 360  
attatatgag atatcatata tgtttgtata caagaaaata tgtaactaaa aaaaaaaaaa 420  
aagggcg 427

<210> 10930  
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<212> DNA  
<213> Arabidopsis thaliana  
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ttcttgata aaatggcgtc aactttcact gccacatctt ctantgggtc aatgggtgct 180  
ccgaatggtc acaaacttga taagaaactt atcagcaagt tgtcttcaag ctcatattgga 240  
aggagacaaa gtgtgtgtcc tagaccaga agatccagtt ctgcaattgt gtgcgcagca 300  
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<210> 10931  
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 caaacggctc cgatggagat attttcgctg gagttaggct agagtctggc cttgacataa 360  
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 acgtacaaaa tcgtcgtctgt tgcacgtgtt ctatgcgcat gtggnaaaa 469

<210> 10932  
 <211> 476  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-020-Q1-E1-E12  
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 cgctacggtc tcggcatccg ttccagggct catcgaactc gtcgattcga aaaccatctt 180  
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 aagctggcac cttggtgttg agacctctaa catcatagac ttcgacacgg tgcccgcaaa 300  
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 aaccgtgtgc aaagaggctt atttctatgc caaagggact tgcctaaag aacgacaccg 420  
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<210> 10933  
 <211> 462  
 <212> DNA  
 <213> Arabidopsis thaliana  
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 <223> Clone ID: LIB24-020-Q1-E1-E4  
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 gctcaagaag gtttggaaca actgcgccgt tcgtgctgta actagtggag tcatgggang 240  
 angactcggg ttgatgatgg gtttgttctt gggggcatta gataatccta ttacgcatga 300  
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 gaattcctgt aagacatttg cagttatggg tttggttttc tctgctgcan aatgcattgt 420  
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<210> 10934  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-020-Q1-E1-E5  
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 ttgaaagaga ggaagcatgc tctgtccgta aaagcaaaac tgagactcgg agcaaaagga 240  
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 <211> 430  
 <212> DNA  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB24-020-Q1-E1-E6  
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cacgcgtcat gactgttccg ggaatcatca ccgacgtaga cggtgataca acctccgaag 300  
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<211> 473  
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cgcgaagact gtgctctctt gtggcgganc taggttacga aggcgcggga aaattggatc 180  
ccgatagctt cgaatggccg tttcaagtac gacgatgctc gacctatcct ctactggatc 240  
tgttctctc ttcgtctctc caatgtctc tctctcgccg aactatcact atatgagcaa 300  
tttcaacnag atgggaaact cttagagggc gatgatctan accaggcata tgatagcata 360  
tcagcatttt cttccangag aaataaccag gaagccgttt ttggagcata atanagcatt 420  
aaagaagtna gatatcaact ttggcgcata aagctgaanc cctaaaattt caa 473

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<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-020-Q1-E1-F11  
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gggaaactcc aaggaagcgg caacgcgaac agacttctag aatcacagaa agtgaacaag 420  
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<210> 10938  
<211> 471  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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cataaatcta cacactcgag caagaatgat tcgcaagcta tagaacaata tgcaaaagtg 360  
gctagtgata tgtctaagct aacacatggt ggtatcgcan gggaagctca aatggtggat 420  
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<210> 10939  
<211> 466  
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<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<210> 10940  
 <211> 521  
 <212> DNA  
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 <223> unsure at all n locations  
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 aaanaatttc cgtgttgaag aagaagaaag ccgttaatgg ggctgctttg gttgttgtgg 240  
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<210> 10941  
 <211> 144  
 <212> DNA  
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 <223> Clone ID: LIB24-020-Q1-E1-B6  
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<210> 10944  
<211> 466  
<212> DNA  
<213> Arabidopsis thaliana  
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aatttgctcg aggtcagtga ttgatatgtc taaaacatgg cagagactcg atgaagagat 180  
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<210> 10945  
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<212> DNA  
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acaacaatgg ctgttggttc gatgaatgtc gaagaaggca ctaaagcttt tcctgcgaag 180  
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<210> 10946  
<211> 476  
<212> DNA  
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acgagaatgt gccgatcttc aaccgaagag aacgagtatg tgcgatcttc caccgaagct 180  
ggtaggggag aagattctca cgaggattcc gataacatct ctgagagcgg tgcgatccac 240  
ttgcaaatta tggaacgctt taaccaaaga tcgggttctg ggtaaagcag cggcgcagtt 300  
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caaggangaa gaagaagaca cgatggatct atctataaag caggtagatt tgcttaatca 420  
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<210> 10947  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<400> 10947

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aaatttncac acagctatna ngcaacaatg ggtgaacgat atgcagcaaa tgtcattgat 180  
cagcctgggg gttctaanaa aaccctcata ttgcgggaaa taccagagga cagagttaaa 240

aagtttctga caaacaagga atcgttggca ncatgtgatg ttgctgtggt tgtctatgac 300  
 agttcggacg tatactcatg gagaaaggcg agggaaatac tgatggaggt agcaaggatg 360  
 ggagaaanaga naggttacgg gaccccttgt cttctggttg cggccaaaga tgatttggat 420  
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<210> 10948  
 <211> 430  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 <400> 10948

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 ttggaaatgg acgcttctat gattaccaat tccaaatcca ttacttctcc accctcttta 180  
 gccttaggga agtcaggang aggaggagtt atcaagaagt tcactaagta acttaatgat 240  
 gccaaagcaa gttaacttcc ctagacaaag aactcaaact ctaaaggtta gccagaagaa 300  
 actcaagaga gctactagtg gtgggtcttg tgttacatgc agtggtggtg ataagattct 360  
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 tccttgtgtt 430

<210> 10949  
 <211> 424  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-020-Q1-E1-C6  
 <400> 10949

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 ttggaaatgg acgcttctat gattaccaat tccaaatcca ttacttctcc accctcttta 180  
 gccttaggga agtcaggagg aggaggagtt atcagaagtt cactatgtaa cttaatgatg 240

ccaagcaaag ttaacttccc tagacaaaga actcaaactc taaagggttag ccagaagaaa 300  
 ctcaagagag ctactagtgg tggctcttggg gttacatgca gtgggtgggtga taagattctc 360  
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 cctt 424

<210> 10950  
 <211> 466  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-020-Q1-E1-C9  
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 ccatcctcat cggtgcagggt cttgttgggt cagtacttgc taaagaaggg agtttaccag 180  
 atgtctcgag ttttgtctcc ggtgctctta agatgggtatt taggcagctg aagcaagaag 240  
 aacctgccaa atcagccagc aagccccgca atgatacact aatggcccag gttaacagtc 300  
 ttaggcatga attgagcttg ctttcttcaa acagacctat cactattgtt accacagcag 360  
 gatcagggtg taaaaagtat gggttacatca ttataattgg ggtgataggc tacggatatg 420  
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<210> 10951  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-020-Q1-E1-D1  
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 aaaatgtcag gaagaggaaa aggaggaaaa gggtaggca aaggaggagc aaagagacac 120  
 agaaagggtc taagagacaa cattcaagga atcacaaagc cagcgattcg tcgtcttgc 180  
 cgtagaggag gtgtgaagag aatcantgga ttgatctatg aagaaacgag aggtgtgttg 240

aagatttttc tggagaatgt gattagagat gctgttactt acactgagca tgcgaggagg 300  
aagacggtga ctgctatgga tgttggttat gccttgaaga gacaaggaag aactctatat 360  
ggatttgggtg gttgatcaat ttgagatctg gggtttctgg tgaatgatga tgatttaagt 420  
cttgcgatca agaaattcca gaaattgggt tgaanttt 458

<210> 10952  
<211> 461  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-020-Q1-E1-D12  
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tggtttctgt gtgtcttcta tcacangcta ttagacttca gaaagccana agtgggaagct 180  
ttanctgaac tctcggana agagattgca gagaatgagt ctctccaatg gcgtctacct 240  
gaaaatcacc atagacgata ctccattcca tttcgttcaa ctttcatctg aagaaatcgc 300  
tcgtaacatt gctaaangaa ccatattgggt gaaaagaatg tatgagcttt ggggtgaang 360  
aacttggtat gaagaactta aagactcgan tcaaagctaa cctgaatccc caaaagcttc 420  
caatttccaa ctttcggaat caacctttta aaancccccg t 461

<210> 10953  
<211> 465  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-020-Q1-E1-B3  
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tcttgagaat gggcctcccc agtaccgtan cagaactgtg tttgaggatg ccaactccga 180  
gatggtcagg gacttctttt gggatgatga gttccgttcc aagtgggatg atatgctttt 240

gtattcttct actctcgagc gttgcaagga cacgggcact atggttgtgc aatgggtgcg 300  
aaagtcccc ttcttttgta gcgacagga gtatattata ggccgtcgta tatgggatgc 360  
tggccgagtc ttttactgca ttactaagg agtacaatac ccgtctgtac ctagacnaaa 420  
caagccaagg cgaatcgact tgnctaate aagctggtgt atccn 465

<210> 10954  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-020-Q1-E1-D2  
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gtgaactcta gctcaggtgc ggctagttct gtcnctaagg cnttctgctc ctccaacact 180  
ccgatnaccg caactctctt ccctggcgat gggatcggtc ccgagatcgc cgaatctgtc 240  
aaaaagggtg ttacaacagc tgggtgtacca attgagtggg aagaacacta tgttgggact 300  
gagatagatn cgagaacaca gagtttcttg acatgggaaa gtctcgaatc tgtgcgtaaa 360  
aacaagtgtg gtttgaaagg tccaatggct actccaattg ggaaagggtca ccgttctttg 420  
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<210> 10955  
<211> 432  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-019-Q1-E1-G9  
<400> 10955

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aaaatgggac cgagttggaa aagaacaaaa cgaaactcgt cgtcttctac cacttaata 120  
tttttcagta gtcennnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnngtag tgtctctacc gtgattttta tttttttcta tatactgttt aaacctcagt 240

ttttttgttg ttgttataag atccttgtca ttttttgtcg tgattagatg taatttgtat 300  
 aatttttagta actcttcagt ttttttttgt tttaaaaata ttttttctct ctctctgtct 360  
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 ttcntttgtt tt 432

<210> 10956  
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 <212> DNA  
 <213> Arabidopsis thaliana  
  
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 tcaatcatct tctcctgtac cggaaatcaa caacttctct atacatccgg ttatgcaagt 180  
 ctttcccgag ttcccggtac caacagggaa tcaatcatac ggacagctta cttcatcgaa 240  
 tctcatcaat ttggttccat taacttttca gtcaagtcca gcaccgcttt ctctcaacct 300  
 ctcaactagct tcatctaate ttaatgaacc atctccttca atgcatccag cattcaaacac 360  
 gattggagtc gcttagagct tctcctaaag gtgaaaatct gcaacacacc ctgtttgttt 420  
 ctttgctgta cagataaggt ctgactttgt tataaaaaaa ttc 463

<210> 10957  
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 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 gtgcgtctcc tcntcctccg tttcttcaga tcttgctttc cggtgacggg tttaatcttc 180  
 ntcnctctgg taacacgtaa taagcatggc ttatctgaag tagacatgta gtgttangct 240





tggttccgat cgaaagaatt gatccgggtc agggttctcc ttctgttggtg tatcagctag 360  
gatatcatgt tggtcttaaa ggccagtatg aaggagcat agagcaaaag tatttatgca 420  
caatcacntg 430

<210> 10960  
<211> 467  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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ngctcgctgc gaagcgtctt ctcgagatcc gtcaagtttt cegtcaacca acctctcagg 180  
tgactcgtn cttatcgacg gccttaaact accatctgga ttncctgat aacaaacccg 240  
atcttccatg ggagttttca gaggctaacc aatctaaggt taaggagatt ctctcttact 300  
atccatccaa ttacaagcag tccgcagtta ttctctctct agatcttgca caacagcaga 360  
atggangctg gtcacctgtt tcaacaatga atgcggttgc taaagttata gaagttgccc 420  
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<210> 10961  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-020-Q1-E1-A11  
<400> 10961

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agaaggaata aaaatggagg caaaaagcca gataactttg acaactgagt ctctagggtc 180  
tggaactcc gacattccct ctgagcagga tctacaaact tctcgtgaag ttctagttat 240  
atcaatttct gaagctcaga gactgatttc tctgttcttt gctttgtgta aaaagaaacc 300

tagtctcctt cgacttgtct ttgaagttta tgggagagct ccaaaaatgg taaaccaggc 360  
 ttttcatega catataccta tcctaatacg agaattangt tcattcttata cggnactact 420  
 ccaaataata tccgaccctc ctaaggggaa ntgnaaatta ttgncaaaat gtgtttccaa 480  
 naatt 485

<210> 10962  
 <211> 406  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-020-Q1-E1-A3  
 <400> 10962

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 caccgcccgtg ttgcatgcgg cggcgatagg tcctatggtc gacctaggga cgtgggtcat 180  
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 tacgttttat gaccattttt gcgcccgtga agatgccgac gcagccgctg agcgcgtgag 300  
 aagcgtttat gaagctactg gtcttaaagg gatgcttgtc tatggcgtcg aacacgccga 360  
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<210> 10963  
 <211> 489  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-020-Q1-E1-A4  
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 gctctaggag gaaatggtgg aacaatatTT gaccatgggtg ctttcgatca tgtaagaaag 240  
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gggaaaagag anacacggga gcatggaaaa atgacagtgt taggaacaga ngantttgag 360  
 gttgagtctg atgattacat cacatcaatt gaagtttctg tgcacaatgt ctttggnttt 420  
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<210> 10964  
 <211> 415  
 <212> DNA  
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 <223> Clone ID: LIB24-020-Q1-E1-A6  
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 aaagtatcct ctctcagcag cagcagagaa ggacatttat tcagatgggg actgttctca 240  
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 aaggagctag acttgagat actatagttg cttcagttaa aagaagcgat gccaaaacggt 360  
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 <212> DNA  
 <213> Arabidopsis thaliana  
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 tgttttgagg aatattgtgt acaagtaatt gaagtggaan aagaanatca tgaagttggt 180  
 gtggggagct gttttttggg aaatggagat ggagactcag tgttggcatc agagacaata 240  
 gattctcatg actctagtgt atggaaggtc tactgggatt cgttctatgg acgangttat 300

ttttacaatt ttaagacaca aggagtcaaa atgggagccg ccacttggga atggagcatc 360  
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<210> 10966  
<211> 386  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-020-Q1-E1-A9  
  
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caatcttcta tcggagcttc ttcttccggg tcgggtctta atagtaaccg ttggaacaac 180  
cgggtcagat catcttcttc tagaagagac aacaagttcg aagatgcttt gattcaagaa 240  
catgctcttg ctgctgctgc tgttttgttc cgacagcaaa acggtggtgg aggatcgttg 300  
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<210> 10967  
<211> 468  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-020-Q1-E1-B10  
  
<400> 10967

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accctaagag aaaccccaaa tttggtgtc aggggaatgt cttctgaaca tatatcaggt 240  
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5390 "400" 400

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<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
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<400> 10968

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acggttccga ggagtgggtt tttgggggtt agggttttcg agagatgttg aatgtcaggt 180  
tcattgatga atctgttttc tctctgcttc aagccattcg ggcacgtctg tgataattcc 240  
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<210> 10969  
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<212> DNA  
<213> Arabidopsis thaliana  
  
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aaatctactt ttgtcntggc tagagcatat catgagttgg ggatcaatga aaaatccatt 180  
gagtcagtac catttgagca gtttgccatt caantgaact cagtttctgt aattcaaatg 240  
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aacattgaga gagtcaagac ttttccaccg gtcagcaatc ttgaccccaa gatctacggt 180  
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caacaagcgt tggaagagaa tagattgtat atgttggatt ancatgacat attcttaccg 300  
ttcctagacc ggattaatgc gctagacgga cgcaaagncc taatggctaa ctccgaacta 360  
accntccttc cttggactcc gtctaaggn aacaacntta aagcccnnggt taanccnaat 420  
tggannccta aaagnccctc cccttcccc aaaggggtcc caaaaaanca ttccggttcc 480  
caaagnccgt tntggccttt aaaacccttc caannttcna atgggcaaan cctccnnaaa 540  
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<210> 10971  
<211> 548  
<212> DNA  
<213> Arabidopsis thaliana  
  
<223> unsure at all n locations  
<223> Clone ID: LIB24-017-Q1-E1-G6  
  
<400> 10971

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cccggagagg caaccatcg gtacatcggc tcagtcacc gacaaggact acaaagagcc 180  
acctctgcg ccactgttcg agcccggcga gtcagctca tggcttttct acaagagccc 240  
ggaatagctg agtttaaccg ccaacttctt ttgttctct ctaacatcaa ctngtttttg 300

actgttaatg ggggaagttt aagaagaanc aacaaaaaca atngttgttg ccttcccngt 360  
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 ntttggcccc cttgttccaa aatggtnact ggcttgggaa aattttcaaa ggttggganc 480  
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 aagaanggtt tcactttgaa aggtctgaag ttgatcantg taganagatc ttttgcngan 180  
 aagcactacg aagacttata tnnaaagtcn ttentcaatg gactcgttga ctacattgta 240  
 tccggccctg ttgttgctat gatctgggaa ggaaagaang ttgtcttgac cggaanaaag 300  
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 attgacattg ggcaaggga cgtgattcat gggtaattga ctctgtcca agaattgcaa 420  
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<210> 10973  
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 <212> DNA  
 <213> Arabidopsis thaliana  
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ggatgttatc atcaanggga tcagatttat cgccatggct actttctcta ttgaacggct 180  
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 acactctcat tactgatctc cagcttctctg tctctgattg ggaagagaaa tgggttgang 360  
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<210> 10974  
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 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 cgccatggtg ctgcccgggt caggcagacc aaattcagag tgttgcgccg cacttcaatc 240  
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 taaccttctt cctgtggatt gtggtataaa tgcttaagtt aagctacgag tcaattccaa 360  
 gatgatcaag gaaaacggga aaataaagaa taatgagaaa tatccaagtc ctaagttttt 420  
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<210> 10975  
 <211> 467  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-018-Q1-E1-A11  
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<210> 10976  
 <211> 483  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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 acacacacga tgatgcattc gacgggtgcag catgggggaa acaagagtgg caagtcaa 360  
 gtatgggcta atactaactt ggcanagaca gtggcagctg tanatgagtt caaatttggg 420  
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<210> 10977  
 <211> 476  
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 <223> unsure at all n locations  
 <223> Clone ID: LIB24-018-Q1-E1-A3  
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 gagatctgct tttcaatttg atgctcttcc attagttaga aaagttgctt ttgatcggag 180  
 caactatggg gtcgtctttt gagaccatcg atatcgctac cagtgcctcg agaattggcg 240  
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 ccaacatatt tcgggcagag aagaatgtta ttgatttata tgtcatgctt ctgcggtttt 360  
 caagcttggc tctcgagact ataccgtccc atcgaagatt acagaacatc tctaaaaagc 420  
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 ttgcagagag gacgaatgct cagtatcnaa gcgattcaag cggttcaagc cctgaagcga 240  
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 <212> DNA  
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 <223> unsure at all n locations  
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 <400> 10979



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gatggagggtg tgaccaaaga caanggatcc acccttaaga aactcgggta ccaaagtgca 360  
ncttataacg caaaggggtt catatgggaa tgggtgcctat gcttatgggt actatcccc 420  
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<210> 10982  
<211> 438  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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cagtgtgag gaggggtgaag ctgangaaga agaagcagct gttatcacia gcgttgctga 420  
aatccnataa agaaacct 438

<210> 10983  
<211> 493  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
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<212> DNA  
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<400> 10985

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 atgtggatat gtcccgatc agaatcgaag gtctacttgc agcttttcct aagctgggtg 180  
 gaatgggaaa gcagcatacc tatatccgag acggagaatg tgcgataatg ttatcagcct 240  
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<210> 10986  
 <211> 438  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
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<400> 10986

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 caggattagc catgaaagga tctaagatca acgtagaaga tctccaaaag ttctccctcc 180  
 accatacaca gaacaacctc caaaccataa gccttctatt gtttcttgte gtttttgtgt 240  
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 ttccaccgtc gcatctcaag gtcagtatcc aaaccctaag gggacacgca agacgtgcaa 360  
 gagaagcagg catgtgttgg aagaacaaag agagcgacca tttagttgac ttccaggaga 420  
 agantcctga acgttccg 438

<210> 10987  
 <211> 438  
 <212> DNA  
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<223> unsure at all n locations  
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<400> 10989

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agtggaccag tatcacggtt acaaggaaga tgtggatttg atgaagaaac tgaacttcga 180  
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ctggaaaagg attgcctatt acaatagatt gattgataca tggttcaaaa aggggattac 300  
accttaagct aatcctgtac cactacgac tttccaatgg ctttgggaaa acaagtttaa 360  
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<210> 10990  
<211> 441  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-017-Q1-E1-F2

<400> 10990

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catttacggt agaaaggctt attgtcttac atgggtgttg caatatgtca atcttttcat 360  
gattaatttg tgggttcac atactagctg ggttcgcct taaaaggctg ttangtgcnt 420  
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<210> 10991  
<211> 442  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-F4

<400> 10991

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anaccggttt tctcctggaa an 442
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<210> 10992

<211> 484

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-F5

<400> 10992

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tccatgncg gtcaanacaac naccnaangg cctcaaagnc agggccccc aaccaagcca 360
ccctaagncc aatcntccaa tggcccanen aacgaaccaa ccctaaaggc cttcaacccg 420
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<210> 10993

<211> 462

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-017-Q1-E1-F6

<400> 10993

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aacagagatt gtaaatccag agccgccgga aaatacaacc gccggtttac tctcaggatt 180  
agttgatatt attcgatttt aaaaatcagt aggaagaaga tgaagtacgt gcttgtaaca 240  
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taaagcttgt ggtccttccg agttacttcn aanaaaaatc cgattcctta acntggaaca 360  
ctggatgcct gggaactaaa ggtctccaat tttgaaacan nggtgaaagt ttttggcctt 420  
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<210> 10994  
<211> 429  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-017-Q1-E1-F8

<400> 10994

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gatcttgccg agggtttgat gaaaaagacc gattttactg ctgctcgtaa gcttgcaatg 180  
aaggctcaaa aaatggattc cagcctggag aacatatctc gtatgataat ggtttgtgat 240  
gttactgtg ctgcaacgga gaagttgttt ggaactgaga tggattggta tggatttcct 300  
cangttgagc agatcgctaa tgatgttate atcaagaaac atacaagagg cttgcgcttc 360  
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gaaacccaa 429

<210> 10995  
<211> 479  
<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
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tcaaaaaaga catatttttt ttgctgggac tatcaattgg ggtccgtcgc cagccacgc 180  
gccgagctcg caatatatcg aaagcaacga tctaggaagg atcttaaaaa tcctacttgg 240  
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tctggcacac gtattccaat ccaaatcgac aatatacgcg tctccgaagg atangththt 420  
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<210> 10996

<211> 448

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-G1

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tgaatctgaa aagcntccag atcagtgtaa tatgcagtcc tccgtgttaa tgttggttgt 360  
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<210> 10997

<211> 367

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-017-Q1-E1-E12

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gccctcactg gagcccagg aataacagaa gagttgggta tgaatctaga caacattgac 300  
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tcccnaa 367

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<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations  
<223> Clone ID: LIB24-017-Q1-E1-B6

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cgtttgata agtactatcg tctcgctaag gaacgtggat tccgttctcg agcttctac 180  
aagcttcttc agctcgacgc caagtactct cttctccact cagctcatgc cgttctcgat 240  
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ggtgttagtg gctttaatt 439

<210> 10999  
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<212> DNA  
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-B7

<400> 10999

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tccgctgctc ccagcgaaga cttgttccac gtcgataaat cccatgacct tccggtgaag 180  
cgaaagattg agaaacatan agagagagtg ctccgtgttg acagtatctt aaagaagaat 240  
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cgttataaga agacaaagca cctaaacaag gttcaaaaaa agtggttggtg acgaatctgt 360  
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<210> 11000

<211> 434

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-B9

<400> 11000

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cttatcctag tctcatgctg ccttgaggga caggcgctcaa acgttgctac ttacatttcc 180  
aaggggaatg tagcgctctc tgtactcatg acaacgtgtt caaccattgg ggctattata 240  
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<210> 11001

<211> 429

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-C11

<400> 11001

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cgaaaccggg tatattggtg ttggtgagga agaggaagtg cagttgtttt actactttat 180  
caagtctgag aggaatccac aagaagatcc tcttctactc tggttaagtg gaggacctgg 240  
ttgctcttct atctctggtc ttctttacga gaatgggcct gtgaatgtga agattgaggt 300  
ttacaatgga actcttcctt ccttgggtctc tactacatat tcatggacta aggtttcgag 360  
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<210> 11002

<211> 542

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-017-Q1-E1-C2

<400> 11002

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atcgccattg gtggagtcca agaagaggtc tatcacccca acgcacttag ggcggcgctc 120  
gctgagttta tctcgacttt gatcttccgt cttegccggc tcaagctccg gaaattgctt 180  
tcaacaaaga ttactggaca atgggangca accaactccc ttcccggggc tngtccgcc 240  
cggtggcct taagctcaat gcntttcngg tcccccttg gtccgnccgg tcccccggt 300  
tnggcggcta aacaattttc ccggggtnng gccaacggtt taanccctgg cccgtttaaa 360  
cctttccggg nngtccttaa accccgggtg ggttaaaaaa nnaattcctn ccttcngtt 420  
ggggaattcc ccnaannng gggatttggc cccaannctt ncttggggtn ccnttttnc 480  
gcgccttttg ntttcccccc cntaaaccc tttnngccaa ccgggtgggg cnaaagccca 540  
aa 542

<210> 11003

<211> 429

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-017-Q1-E1-C4

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 gaagcaccgg gagaacggcg atcgcgtcag gaacatgctt tcgattctcc gacgcgggtcc 180  
 catcgctcct catgtcaatt ggtttaccgg tcttcagca atcgtttcgg agcttctaata 240  
 gtttcacact tcagagtaca ttgagaagct agtggaggca gataaatcag gagaaagggtg 300  
 tgaaattgcc gcaggtaactt tcatgagccc aggctcgtgg gaagctgctc tcttgagct 360  
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 ctggtacnc 429

<210> 11004  
 <211> 480  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-017-Q1-E1-C6

<400> 11004  
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 gacgactcca cgtgggtggga tctcgaagaa acacgttatg agttctagca gaagcgcttt 180  
 gacgctagct atggctgttg cggctggtgt gatgaccgga gaaggatctt cttccggagg 240  
 tgactcgctg ccgggatnaa gtccgacgac ttctggatct cctccgaggc agctacatca 300  
 tcattcaaca ncagatgaag anncttctc cgttgtagcc naggattcaa gggccttttg 360  
 nnaattggac tncgccnat ccgccttngg gttttggtgc ctgganaatc ntttccggnt 420  
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<210> 11005  
 <211> 431



<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-017-Q1-E1-C7  
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 gctttgacgc tagctatggc tgttgcggtt ggtgtgatga ccggagaagg atcttcttcc 180  
 ggaggtgact cgtcgcgggg atcaagtccg acgacttctg gatctcctcc gaggcagcta 240  
 catcatcatc aacatcagat gaagaagctt cctccgttgt atcctaggag tcaaggttct 300  
 tttggtaatt tgacttcgtc tcagtcgtcg ttgggttttt gtgcctggag atcgttttcg 360  
 gtggctgatt ttccgangtg ttttccggct acnggcaaat gggattgggt ttaatgactc 420  
 ntaagaaatg a 431

<210> 11006  
 <211> 433  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-017-Q1-E1-C8  
 <400> 11006  
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 tccacaaaat cccctttaat ccgctaatac gaggggtttt ctgtttttgt gttgcttcgt 120  
 tactacgggt acattcttct cttccctttt tgatttcaaa gaaccctctt gataccttaa 180  
 gaagaggcaa tttgaagttt tcttcacaga tccgtcttag ctctttctag agaatggcgg 240  
 atttgatacc attttatctg aatatgggtg cgtttctatg tactgggttg agctattgct 300  
 ttggcgatat ttcaatatct acaggcatct tttgaattac acggaaccaa cttatcagag 360  
 atatatgtac gcattatcct tcattggtccc ggtttaagcc ntcaagtcac cctgggtccct 420  
 gggttaccaa aaa 433

<210> 11007  
 <211> 446

<212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-017-Q1-E1-D1  
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 ccgattacgc caccggtacc tgagatttac cgaataccta atcctccacc aaagcttcg 120  
 gagatctcaa ttctccgac acttacgctc tctccatctc ccaaacactc caatttcgctc 180  
 aatttcctcg agaacaatct cctcaccat caaacactaa cgccacaaac tcttcttgga 240  
 ttctccggtt ccaagatccg taaccatccg ctctacgctc attatgactt cgccgtcttt 300  
 aattgggcaa gctacactcg acactttccg tcatgatcac gattctttcc tctgggatgt 360  
 cgagatnact cgccgccacg caccgggttg acgatcttta tcgtctctcc cnccttttgta 420  
 nctgcgaatc caaggctcctt gttccc 446

<210> 11008  
 <211> 450  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-017-Q1-E1-D2  
 <400> 11008

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 agattgattc gttggtggaa agcgtctaaa ttttgcgtaa atggcggcag ctcttgtagc 180  
 cagattctgc cggggatcat cttttccggt ctctggatcat ggatatagga tgctatcgac 240  
 ggttgaaaat gtatctgaaa gtggtaaatc gatgaatcta tactctgcta ttaatcaagc 300  
 tcttcacatc gctttagaga ccgatcctcg gtcttatgtt ttttggggga aagatgttgg 360  
 gatttgggtg gtgtcntccc gatggtacaa acaaggatta agctgaaacc gtttttgggg 420  
 aaaatccccg aanttttcaa acaactccct 450

<210> 11009  
 <211> 437

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-017-Q1-E1-D7  
  
 <400> 11009  
  
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 aagtgactgc cttgagggtc acagagagag caagggctcg cattgagaaa gctggagggtg 180  
 aatgcttaac ctttgaccag ctgctctca agagctccat tgggccagaa cacggttctt 240  
 cttagaggac ctaagaatca cgtgaagcag tgaagcattt cgaacctgac attgaagaac 300  
 tttgaaggtc ttgaccttgg aaagatggac gaaggcaatg actctggctt ggcttcgtaa 360  
 gttgcctggt caaaattgac cgtaccttga nctggaaggt atcaantggc tccaacaatc 420  
 acaacatgcc aattctt 437

<210> 11010  
 <211> 444  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
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 <400> 11010  
  
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 ccatggacat gtccgttggt tctccaacg atannacca cgtgaccgcc ggtcccggcc 180  
 gccgtcaggg tattttcgac gctgaagcca cttgatgtt cgantcatgg atggtcaaac 240  
 atgggaaagt gtacgactcc gttgccgana aggaacggcg tttaactatt tttgaggaca 300  
 acctccgttt tatcacnaac cggaacgctg agaaactcaa ttancgggct tggtttgaat 360  
 ccggtttgcg gatttancct cnccatgaat aacnggagaa attttgcaat ggggcctgat 420  
 tcaaggacct cctanggaac cacg 444

<210> 11011  
 <211> 448

<212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-017-Q1-E1-E10  
  
 <400> 11011  
  
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 ggaaagcaac ggttactgac aaaattatca cggcggatgg tcgtcgtgtc gggattaaaa 120  
 aagctctggt cttttacgcc ggaaaagctc ccaaaggcac taaaaccaac tggattatgc 180  
 acgagtatcg cttaatagaa cattctcgta gccatggaag ctccaagttg gatgattggg 240  
 tgttgtgtcn aattttacaag aaaacatctg gatctcanag acaagctgtt actcctgttc 300  
 aagcttgtcg tgaagagcat atcacgaatg ggtcgtcatc gtcttcttca tcacaagctt 360  
 tgacgacgtt ctttgattcg ttccccggng aataaaagac cantccttta atcttcttcc 420  
 gggatgaatt cgctcnagga ccattctt 448

<210> 11012  
 <211> 480  
 <212> DNA  
 <213> Arabidopsis thaliana  
  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-017-Q1-E1-B4  
  
 <400> 11012  
  
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 tctttcatct tcagcacaat cttccttccg tgagctcacg accttctca gtcganacaa 120  
 accacgagac tctccctttt agtgtttcaa agccagacgt tgttgtgttt gaaggaaagg 180  
 ctcggaatt agctgtcgtt atcaaaaaag gacgacgtgg aggangtgga ggacncngag 240  
 gctgtggagc acgaaacggc ggtangagca agggaagagg aggttgcaa cagtattagc 300  
 cgcanccctt gactggaaaa cgnccgctgg aaggggttgg ttcccgattc ataacgggtt 360  
 ggtgggnaaa tgggcaaate ctgggggtgg gtgggattcg ggaaaagggn tnacnattn 420  
 atttaagcng ggcaagcaat tggaatccct tccaagggg aacaaagttt tttccggtn 480

<210> 11013  
 <211> 422



<212> DNA  
 <213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-016-Q1-E1-B2  
 <400> 11015

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caaaagaaga atccttatct ctggatctat tcaactaccc agaagtactc ctgagatgtg 120
gccagatcta attcggaag caaaggaagg aggcttagat gtgattcaga cttatgtgtt 180
ctggaatggg catgagccat ctcttgaaa atattatttc gagggcaact atgatttggg 240
taagtttgtc aagttgggcc aacaatctgg actctatctt catctaagga ttggtcctta 300
tgtctgtgct gaatggaact tcggagggat ttctgtttg ggcttaagta cattccaggg 360
attagcttca gaacaagata acggtccctt caaggctcaa aatgcaaaga ttcacaacga 420
agattgttaa catg 434
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<210> 11016  
 <211> 425  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-B3  
 <400> 11016

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntc aatagctttg ttaccatgtg 120
ggactatctc tggtcatttc attcagatgc ctagctctat ctgttatggc ctccatggca 180
ctgaactagc ttgtgagact gagtgtagcc gcggtgagga ttatcggttg atcaaactca 240
ctatcataga ctacaataga aagaaggaac aaacagttgt agtggagtgc aaaggccatg 300
atgctgctcg aattaatgat gtcgagcatg ctcacgggtg ggaggaagat gtgataggat 360
tagtcgaaga aaaacacggg gaaagaagaa agtaccggtt tcgttcgaat gtgagacatt 420
gaagg 425
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<210> 11017  
 <211> 482  
 <212> DNA

<213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-B4

<400> 11017

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 nnnnnnnnnn nnnnnnnnnn nnntctcttt gcaaccaaag aagttaaata gtcttcaaag 180  
 tcacttattt tcacctcaac atctctcatt ctctcagtct aatgtctctc gttacagagc 240  
 gttttgtgtt tcttcaagct ctctccaga gggaacagtc tccgtagtcg atttccatga 300  
 gaaagattgg tcttttctcg aatctatgga aattgactcc actgaacata ctcaagaagat 360  
 tgaganggat cataaaggct ggaagaatta tccgaatctt cgaagggttt tgggttcaat 420  
 tagctcccg aaacaatccg ttgatngttt gggaanatcc tcaaccttcn caagcggttt 480  
 gg 482

<210> 11018  
 <211> 426  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-B5

<400> 11018

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 cgatggaaga cgaagaaggc atcgggttaa ttttagccag agccaccgag ctcaactca 180  
 agatcagcga ttgtatcgat aactccagta ccaccgtcag cgacaacggc gatggaaacg 240  
 aggatctttc tcccggagaa ggaagaaaaa gcgagattat tgggaatcaa gacaaggatt 300  
 ttgactcaat cagctctgag gatgtagatg aagcagaagc tgaacggctt ttgcgtattc 360  
 gtgatgctct tgaagctctt gagtctcagc ttgctcttta cagaatctaa ggcanagaca 420  
 acaata 426

<210> 11019





<213> Arabidopsis thaliana  
 <223> Clone ID: LIB24-016-Q1-E1-C12  
 <400> 11021

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acattgccca gattgtctct attcatactg gggaaatgaa tgaaatgcaa tggtttgaca  180
tggagttccc caaggcagag attctaatat tgaacttctc ttcagacaag tatgttcttc  240
cgctttttat cagtaagatg agccggctta aggtcctagt gattatcaac aacggcatgt  300
ctcccgcggt tctccatgac ttttcaatat ttgctcattt gtcgaaacta agaagtctct  360
ggctagagaa ggttcacgtc cctcaactct ccaactcaac caacccttg aaaaatctcc  420
acaaga                                           426
  
```

<210> 11022  
 <211> 431  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-C3  
 <400> 11022

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gggaaaaacg aaaggggaaca aaaagaaata ggggatannn nnnnnnnnnn nnnnnnnnnn   60
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ctagcgtcta gtgatcttca aggagcaaag acatttgcca tccgcgcatg cgaagctgac  180
ccgacccgag cagaagctgc agactacatc ctcgcaatct gcgacattct tctcgccgga  240
gagactcggt taggtgattc caacttgcca gactggtacg ccgttctccg actcggtcgt  300
ttagctcaaa accctgaaca cgtcgcgact cagtaccgta nactcgctct tctcctcaat  360
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ttcgttctcc c                                           431
  
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<210> 11023  
 <211> 442  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-C4

<400> 11023

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 tcactgccgt gaaacgagct ttccgatctc ccaccaagaa agaacacaac aacaatgctc 180  
 atggtaatga agtcgacgaa gatgaagaca agaagaaaga gaagagacgt tggttattta 240  
 gaaaatctac gaatcatgac tctccggtga agacctccgg cgtcggaaaa gacgctccgg 300  
 ngcagaaatc cacagaaaca acgacgatna tcaacccaac cgttttatcc tctgtttaca 360  
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<210> 11024  
 <211> 427  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-C6

<400> 11024

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 agagaatatt ggcgacaagt ggcggaatcc gatggtttcg atattgagag tgttcaaata 180  
 ccaccatcta tgtatggaag gatcaatgga ctgattcccc acaactgtga aatcaatacg 240  
 ccgcttcctt accgtgtctt gggcaagcac tatgctaagc ttgggcttca tcgttacaat 300  
 atgttgaagg ggactaaatt cgagttcggc cgcctaata aattcaacat gttacaaaac 360  
 tgtgtggctc tttctacata actttggaag catacganta cngtgttcct ggcacatcac 420  
 atcctca 427

<210> 11025  
 <211> 408  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-C7

<400> 11025

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aatcgggtccg ctaggtctcg caccaaagaa gatcggagaa gatatcgcg aagaaaccgc  180
aaaggaatgg aaaggattac gtgtaaccgt caagctcaca gtgcagaatc gtcaggcgaa  240
agtgacggtg gttccatcag cagcagcact cgtcatcaag gcgttgaaag agccggagag  300
agataggaag aaggtgaaga acattaagca taacgggaac atctcgtttg atgatgtgac  360
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<210> 11026  
 <211> 419  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-C9

<400> 11026

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acgacggaaa atggcgaacg agaatgtttc cggcgagaaa cagagacttg cgtccatcgc  180
cgacgagaag atcctttttg tcggtgaaat ctatctctag cgaaccgaaa gccaaagtaa  240
ccgacgcagt tctcgattcc gaacaagaag tgtttattag ctcgatgaat ccgtttgcgc  300
cagatgctgc ttcggtagct tcgagtatca agtaccacgc ggagtttacg ccattgtttt  360
caccggagaa gtttgagttg ccaaaggngt tccttgcgaa tgggcaaagt gtaanagat  419
  
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<210> 11027  
 <211> 430  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-B10

CCDS:11025.1

<400> 11027  
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gttcattgaa gaaatgactc ggaaccctga ctcggttcaa gagaagggtc ttggagagat 180  
actgactcgt aactctaaca ccgaatatct gaaacgggtc gatcttgatg gtgtcgttga 240  
tcggaaaacg ttcaagagca aagttccggg gggttacgtac gaagatttga agccggagat 300  
tcaacgtata tccaacggcg attgttctcc gatcttgtct tcgcanccca ncacngagtt 360  
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cttanaccga 430

<210> 11028  
<211> 436  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-015-Q1-E1-G2

<400> 11028  
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ggttgcgacg gctttcgggt cgaaagaagt tgaagaattc agcgaggcat tgctcttgaa 180  
gcctttacct gatcgaanag ttttagctca ctccacttc gagaatcgan ctctccgctc 240  
aaactcccat ggccgccatc accatctctt cccgaaagct atttctcagt tggttcagaa 300  
gtttcgggtc aaggagatgg agttatctt tantcagggt cgatggaanc atgaacattg 360  
gggaggattt gaccctctat caagtatgaa tgcgaagcct gttggtgtgg anctgtgggg 420  
ctgtgtttga ngttcc 436

<210> 11029  
<211> 437  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-015-Q1-E1-G3



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ccgggtgatg aggttcgtat cacgtttaat attcgtctgtt tggttattat aaatccagta 180  
gatccgggta tgtctctact tttgttcaat tatttcgagg attaatagtt ctgctccggg 240  
ggcctctaac aaggttatgt gttgatagct ttgttggatc tagatgtttc tttcgattta 300  
gttgtcaaga cagttctgcg cctaagttag ctgggttaaaa gctcagtata ttgatgtttt 360  
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<223> unsure at all n locations  
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ccacatcttc ctaaagatca acttcccaac atttcttatt gcatcancag tcctcctcct 240  
tggcctgaag ctattcttct tggattccaa cattaccttg tgatgcttgg gacaacggtg 300  
ctcataccta ctgctcttgt tccccagatg ggangtggat atgaagagaa ggcaaaggtg 360  
atccagacta ttctctttgt tgctggcatc aacacattgc tccaaacact gttcgggtatg 420  
tanaattgcc tgccgttggt ggagcttctc anac 454

<210> 11033  
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<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-015-Q1-E1-H3

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 taatgaaatc gcaattaaa gacgtggaat ctccactaag catcttcgga tcgaatcgga 180  
 ttctgggaat tgggtaatac aagatcttgg atcttccaac ggtactttat tgaattcgaa 240  
 tgctcttgat ccagagacgt cggtaaatct cggagatggc gatgttatca aactaggtga 300  
 gtatacatct attttgggta attttgtgat tgatgatttt caggagaaga agcttacgan 360  
 gaacaatagg cgtcaggcta atgcgangaa ncgaattaag gttttaaaaa gtacaanttg 420  
 ggggatatca ctgaa 435

<210> 11034  
 <211> 438  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-015-Q1-E1-H4

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 cgggtgtattg gagggcttct gggttcattg ctgtttccgg tttaagctat ggtggatgac 180  
 tcagagaatg ggaagctgtg gaaaagacat tcctttggag acacagttca tgctactgga 240  
 aagcaaggat gaggttgaag ggaatgggga tgatgtcctt actgtttata ccgtctttct 300  
 cctctctctt gaaggccagt tcaaagctgt tctgcaagga aatgagaaga atgagattga 360  
 gatttgtttt gagagtggag ataaggcgtg gaaactaacc aagggaactca ncttggttaa 420  
 gttcaagctg ggaacaat 438

<210> 11035  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-015-Q1-E1-H5

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acaatccgtg aaatcaaacc taagaacaga agaatcatgg gagctggtgg tccggaggaa 180  
gaggagaacc ggtggccgcc atgggttgaaa cctttgctta aagagcaatt ctttgttcat 240  
tgcaagtttc atggagactc tcataagagt gaatgcaata tgtattgctt agactgcacc 300  
aatggcccac tttgctctct ttgtcttgct catcacaagg atcatcgac cattcagata 360  
aggagatctt cttatcatga tggtataagg gtgaatgaga tacaanagta tccttgatat 420  
aaggtgggat tcaaaac 437

<210> 11036  
<211> 439  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-015-Q1-E1-H8

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acgccaagaa ccttttgaac ttaaatacgt tgctattgga aatgaagatt gtgggaaaac 180  
ttactacaga ggaaactaca ttgtgttcta tgatgctatc aagaaagcct atccagatat 240  
caaaatcatc tccaactgcy atggatcctc tcatccactc gaccaccag ctgattacta 300  
tgactatcac atttacactt ctgctagcaa tttgttttcc atgtatcatc aatttgatcg 360  
cacttcacgc aaaagtccaa aggtttttgt cagtgaatat gctgttactg ggaaaagatg 420  
cctggtacaa ggancctc 439

<210> 11037  
<211> 445  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-016-Q1-E1-A11



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 attagatgag aagggtcntt ggacaaggat gcgagttgct aaagtttagcc ttgtgatttg 180  
 tccggttttg tttttggcgc agcttacatt taatgtctct ctcaagtaca caacagttac 240  
 gtcaaatacc atattaagca gtgcatcaag ccttttcacc tttcctgttt cactaatatt 300  
 cctgggtgag aagttcacat gggtgaaaact cctcaancgt cctccttgga angtctggga 360  
 ctaaaattgg naatatgggt gactcanagt ccaagtcaaa tgcagttagc taagaaccn 420  
 cctttgggaa aaaatccttc nctgg 445

<210> 11038  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-A4

<400> 11038  
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 ctaagttcca cgatgaccga aggcaaaaac gtctcttggg ttaaatcaga aggcgataaa 180  
 ctcaacaaag gagagagtgt tgttggtgtt gaatctgata aagctgatat ggatgttgag 240  
 actttctatg atggttatct agctgcaatc atgggtgaag aaggtggtgt tgctcctgtt 300  
 ggttctgcta ttgctttgtt aactgaaaact gaagatgaga ttgctgatgc taaagctaaa 360  
 gcttctgggt ggtgggtggt ggtggtgant ctaangctcc tccgggcttc tctcccaag 420  
 ggtgcaattt gaaagca 437

<210> 11039  
 <211> 429  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-016-Q1-E1-A6





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agcttgaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngagaag 120  
caacatggcc ctccgtggct tgatttcaaa tcggaacttc ggttccttca tcggctcagg 180  
caatggttgt cagagacttg gaaaaagtgg tgcagagggt tccaagcttt ttccaaatgc 240  
attgttgtgc cgtaatcatc aacctctgca agctagttaa catcatgaat cgggacacat 300  
gagaagaagt tttggatggt tccttcaacc aagaatggac agtgtaatta ggtttaggaa 360  
cagtatcaag atcaacagat ctctgtgctta ctacaaatca agaggancag atatcacgga 420  
aaggagttgt gcc 483

<210> 11044  
<211> 482  
<212> DNA  
<213> Arabidopsis thaliana  
<223> unsure at all n locations  
<223> Clone ID: LIB24-015-Q1-E1-D9  
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tancctcttg naaccaanan gcatggatcg tgtgggtctt ttcttcttca nccgagnnac 120  
gttactagca ggttctcncg gatctaccgt catctccggc gaggttaccg acggtttcgn 180  
taacccgatc aggcaagtcg tcccggagga gaacgatgaa caactcctca acgcagaaca 240  
tcacttcact ctattcaaatt ccaagtacga gaagaattac gcgactcang tagaacacga 300  
tnatcggttc cgtgtcttca aagctaact aagacgagct angcgtaacc agcttcnana 360  
tccgtctgcn gtccaaggcg tcacgcagnt ctcaaata ctcccgaata gaattccgcc 420  
gcangttttt aagantgaaa cgccnaaggt ttctgtctcc tactgatatc aaaagggggg 480  
ct 482

<210> 11045  
<211> 427  
<212> DNA  
<213> Arabidopsis thaliana  
<223> Clone ID: LIB24-015-Q1-E1-E3

<400> 11045

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tacgcacagt cacggagata gatagtaaga gagagctatg gcggaggagc acttcgacgt 180
tctgactaaa tccggtgaga agaccggtgt gtccaaaccc aggggagagg ttcacagaga 240
tggagattac catcgtgctg ttcattgtctg gattttttgtg gagactactc aacagctact 300
tctccaactt cgatctgatg ataaagattc ttggcctggt caatgggaca tctctagtgc 360
tggccatata tcagctgggtg atacatcgtt tctatctgca cagcgggagc ttgaggaaga 420
gcttggc 427

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<210> 11046  
 <211> 488  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations  
 <223> Clone ID: LIB24-015-Q1-E1-E4

<400> 11046

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nnnnnnnnnn nnnnnnnnnn nnnnnntaat tcaacagtta aacatgatgg attttatgta 180
aatagaggca agttggagcg gatggaacct tcaacaacat ctaaccagca acccaaaaaa 240
cggcgacgaa aagattcagc aaaaccctgt cgtgatgcag ttgacgtatc cgataaacac 300
accaagttgt ctataacagc taggaaaaag gatcaatcaa ctgctcctgg gtctctggaa 360
acacaggagt cacctttgcc ttctggagcg caagatgcaa atacttcagt acctctggat 420
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aaggga 488

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<210> 11047  
 <211> 433  
 <212> DNA  
 <213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-E5

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 ctctacaaga atatctcctc gatgttcggg cttacacgac gatcttacat gcgtattcac 180  
 ggactgggaa gtatgaaaag gctatcgatt tgtttgagag gatgaaagag atgggtcctt 240  
 cacctacttt ggtgacttac aatgtgattc tcgatgtttt cgggaaaatg ggtcgatctt 300  
 ggcggaaaat tctaggggtt ttagatgaaa tgagaagcaa aggattgaag tttgatgagt 360  
 ntacttgtag tactgtgctc tctgcttggt caaggagaag gtttggtaan nagaggccaa 420  
 aggagttttt cgc 433

<210> 11048

<211> 479

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-E6

<400> 11048

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 ccaacgtatt cacctaaaat cgtcggaaga agtcggcttc ctatattcaa agattccgac 180  
 ctcgattggt ctggtctga tggccgtggc ttccaccaat gccgaccgc attacttcaa 240  
 actggtgctg tgagttctgc ttctggttct gcttatgctg agtttgggaa cactaaagtt 300  
 attgtttcag tatttgggccc aaggagagat aagaaagcaa tggtttatag tgatgtangt 360  
 agattgaatt gtaatgttag ctatacaa tttgcttccc ctactcttgg ccagggaact 420  
 gatcacanag aatattcatc aatgcttcac aaagcattgg aaggtgtaat tantgatgg 479

<210> 11049

<211> 436

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F11

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tcctcgctct cttgatgaag atgatatcgc tctcctcaag acttatgggt tagggcctta 180  
ctctgcacct atcaagaaag tggagaaaga aattaaggat ctcgccaaga agatcaacga 240  
tctatgtggt atcaaggagt ctgatactgg tttagctcct ccagtcagt gggatcttgt 300  
atctgataag caaatgatgc aagaagagca acctctgcaa ggttgcgaga tgcacaaaga 360  
ttataagtcc aaacactgaa ggacgcaaaa tactcataaa tgtcaancaa attgncaaat 420  
ttggttggtg gncctt 436

<210> 11050

<211> 410

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F12

<400> 11050

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ctggttcaat ctctgattca gctctctttt aatttttttg gttttgggaa gctgctatgt 180  
tatttgagag gcttaccaag aaaccacctt cgcttggtga tctttgcgta aggaaagcga 240  
ttgataatgt aaagtacatt ggatatgttg gtgggggtga ttttcagctc cttgagcaga 300  
ttctgcaaca ctgtacacta ngaanagggtg aagcacatac aaggatgcta ctggacgaca 360  
cagatctant ccaatcaccg ataaactttt gggaggggaat ctaataanaa 410

<210> 11051

<211> 431

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-015-Q1-E1-F2

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 agataaatat atctaactaa ctccattaca tattccagtc atttgcttat aaattataac 120  
 cgtcacactt accaattcag tcaacttaacc aaacatgtct gaaaaggggt tgataaaaaa 180  
 agaagaccac atgtttcaag aggagaagag aaagacaaac tatggagcaa ttggcttggc 240  
 ttgcttcatt tcttgtttct ttgcattcca attcatgaaa atcgtaacaa cacaaccttc 300  
 aacaacaaca acatcatcca ttgccgttat cgatagccca atgtcctccc ataagctatc 360  
 tgataggaga gaaatatgga gagttatccc accatctanc tattgtctca aaatcgaatc 420  
 ctttcataaa a 431

<210> 11052  
 <211> 439  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-015-Q1-E1-F3

<400> 11052  
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 cctcgttcgt cgtctctcca atttcgctca cttgtgtcag attctacgtc gatttgtggt 180  
 ccaagtaagt tcaccgaaaa aaacagaaga gtatcgggta ccgtttccgc cgccgcaaca 240  
 actgaacctc tcaccgtcct cgttaccggt gccggtggaa gaacagaaat tgaaggagag 300  
 gtcggagcag ttcgtggcaa ggggtttagt gaggacnaag gagagtaagg agaagatcaa 360  
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 gtttaaaggg attgatgct 439

<210> 11053  
 <211> 432  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-015-Q1-E1-F4





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 acatggcgga acatgtacca aagtaccatc aatggatgca agattcggct cttcttgaag 180  
 ctacgggacg tgagccgttg agtcttgagc aagagtntga gatgcagctt tcttggaactc 240  
 aagatcccaa taagcggact ttcattgtct tggacaagga tttcgtaag ggagacctgg 300  
 ctcatggcca acctcatgta gaagcaatga cagggtgatgt tgaacattta catgaatgat 360  
 gtggatgacg canaggggtg cagaagttga nataatgata actgagccca naagccgtng 420  
 gtaanaggac taaggaaagg aatctgttgt tgataatgat ggcttaatgt gtcaagnaac 480  
 ttggaggatt cacaagntt 499

<210> 11056  
 <211> 437  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-015-Q1-E1-D4

<400> 11056  
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 ccttggtgtg atttgttcca gattacgaaa gaagatctcc ggctcggcga agagatcgcg 180  
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 tcatggaatt gattagaaga ttgttcaaca accactgcag aagagattta tctgctgttt 360  
 tgggaaagca tatgaaagtg tgttacatta accacatata gagagaagga aagagaatgt 420  
 tgtgttactg atttata 437

<210> 11057  
 <211> 400  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations

<223> Clone ID: LIB24-013-Q1-E1-H11

<400> 11057

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 tacagagtca ctcttgccgc ttggtgctcg agccacagta gctgggtggac agatccttgc 180  
 tcggagtggtg atgaagtaaa catgtgtcaa gctggacctc aagctaggaa gctagacgaa 240  
 ncaataangn aattttcctt gatgattttg atttccanat ccgattcaat tgcaaattga 300  
 ttataccgac cacaacgaaa acnnnaattg gggttttacat ccccccggtt aanggggttaa 360  
 aatncttttg ggaaanaaan caaatngggt ggccgtattt 400

<210> 11058

<211> 691

<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB24-013-Q1-E1-H12

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 taaatcccc cctttccctt tcctttcccc caaatggggg cctggccttt tcaaaagncc 180  
 ttcccggtcc ctccctcggt cctcctctc cctttcctt ttcaaaacc cctaaaaaa 240  
 atcctccttt ccccttttcc ggggggggtc ctcccaaaga acccttggtc ctccngttt 300  
 ttccctcct ttaatectcc cctttccct cctccctta aaaactcaaa tttcngaac 360  
 tcccgtttc ccttccctca atcggtcggt ccaaaaatgg gaaactcct ccccggttc 420  
 tccgctttcg cccggttaaa cggtttgca attaanctca agaagtttcg gaanggtggg 480  
 aaaagaaaga tgggnttccg cctgganggt ccggtcccc gcaaaaaaag gaagcaaadc 540  
 ctttccctcc ggnetggaac cttaaaaaac tcctccggt ttgggtaaan cctttccctt 600  
 ttcaaacggt ttggacaagt tggctcnaag cctccggcct caaaagcctt cttttggaag 660  
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<210> 11059  
 <211> 443  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-013-Q1-E1-H2

<400> 11059  
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 aaacgccacc accgtgaaat caatgcactc agcagtaata gtgggtccatc gttggattcg 180  
 gtcccaacaa gaaccgacaa gaggcagttt ctctcgtggtg acggtaacgg taaattcggg 240  
 aggttcggtg ggaagtttgt accggagaca ttgatgtctc gcctgataga acttgaagac 300  
 gaatttaact ttgttaggtg cgatcacgaa ttccaggagg agcttaccac agcgtaaga 360  
 gactacgtag gaaagagaaa cgctctctta ctccgcgaa cgtctaaacc gaacactaca 420  
 agaacatagt tccaaccatn cga 443

<210> 11060  
 <211> 418  
 <212> DNA  
 <213> Arabidopsis thaliana  
 <223> unsure at all n locations  
 <223> Clone ID: LIB24-013-Q1-E1-H3

<400> 11060  
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 tgtttctagg ctttgtttat ttgtctctaa agtttctgga ttcaacttct gaagaagata 180  
 gtagtagtcc acaagaagga tcttctttac caagaaagtt gatttgggtca gagccaagga 240  
 agatgggtta catgtgtgac gtctgtggtg aacaaaggat ctangngta ctgggtcgatc 300  
 cgatgcagct tgtttgtgtc tctccctgtg accgggagtg ttcantccgc taaatgcaan 360  
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<210> 11061  
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<212> DNA  
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 caaagagaaa ggncttttca cgtttgttct ctccggcggg gacctaatac attggctctg 300  
 caanttggtg caacctcctt atattgatcc aaatcgaatg gncaanatgg cacgtctttt 360  
 gggcatgag aggggtttgt catgggaaag atcaagacan ttactacaaa ctgccatgg 420  
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 ggccagacat cattaagttc gaaatggtac atgttcaagt cccaagggca gtctctcaaa 360  
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<212> DNA  
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 attctgttcc tccgattgtg catagaagat attaagtcaa acaatatatt gatcgatgga 420  
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 gaccgagaaa attggatgag tgaggctgag gcatgtgaga gagttggatc tgtcgctaca 180  
 tgccaggcca ttattaagaa cacaatangt attggagtgg aagaaganga tagaaagaga 240  
 acttggggtt ctgatgcaga tgagtgcagg aagaggggtt ccattgagac cgcaagagca 300  
 atatacgccc atgcncttag tggatttctt tgaccaaaga aaaanttatc tgggcttaaa 360  
 agcggcgcaa ccttngagaa agaagcccat ggggaagtcc cgggaagtcc ccctttgaat 420  
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 ctgggaaaaa caggaatcg aaggaagaat caatcatggg ttcatcgga gaaactgtag 180  
 attccatcaa atctatcaag atcgtcaag ttctcactca ggctatcact ctcggtatga 240  
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 tcttgcggtat gactgatgag cctattcgag caggcgagat tgttgtgttc aatgttgatg 420  
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 gccacggatg tcaagagaag tgacactgaa tcgagatggt actcatcttt aaccaatgga 180  
 caatctaaga atantgggtc atttgctcaa ttgaacatga aaaccaattg gtttatggga 240  
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 gagaaattcg agtatcaagc tgaagttagt cgcctcangg accttattgt caacagctta 360  
 nacagcanta atgatgtgtt tcttcgggaa gcttattagt aatgcaaagt gatgcatttg 420  
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 ctgctgaggc ggaaaagaca gcaccagaca atttctactg caaacgcctt ctaaaagcta 360  
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<210> 11068  
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 aaaaggagtc atgacgactc tttcttctat aaatctctct atacctctc atttgcttcc 180  
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 aagcaagctc cgcttctgtg gagtgattac aaaggaaaagc tgtttctggg tccaacgata 360  
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<210> 11069